

CENTRAL MARINE FISHERIES RESEARCH INSTITUTE

Oceanographic Station List—II

In 1954 this Institute issued the first of a series of Oceanographic Station Lists, giving the raw data collected covered by M.O. *Kristensen* and R.V. *Kalava* during the period, September 1957 to April 1961 (*Indian J. Fish.* 9(1):213-431). The present publication is a continuation of the earlier list and gives the data collected from Station 675 to Station 1,300 sampled by R.V. *Varuna* from December 1961 to November 1962.

Station No.	Date	Time	Position		Depth (m) (1)*	Depth (m) (2)**	Temp. °C.
			Lat.	Long.			
675	19-12-61	0430—0700	10° 00' N	73° 55' E	>1500	0	28.51
						10	28.65
						20	28.45
						30	28.39
						50	28.44
						75	27.63
						100	22.45
						150	18.24
						200	15.97
						300	12.97
						400	11.39
						500	10.69
						600	9.97
						700	9.19
						800	8.21
						1000	7.05
						1200	5.76
						1500	4.45
676	19-12-61	0942—1320	10° 00' N	73° 22' E	>1500	0	28.45
						10	28.45
						20	28.61
						30	28.79
						50	28.66
						75	27.82
						100	21.74
						150	18.56
						200	16.02
						300	14.55
						400	11.98
						500	10.85
						600	10.11
						700	9.45
						800	8.34
						1000	6.96
						1200	5.94
						1500	4.38
1800	3.15						
677	19-12-61	1550—1840	10° 00' N	72° 57' E	>1800	0	28.40
						10	28.29
						20	28.42
						30	28.62
						50	29.00

*maximum depth

**depth of sampling

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.80	..	W-2	1	..	..
34.80	4.40	..	..	..	..
34.90	4.30	..	..	..	..
34.87	4.25	..	..	..	..
35.19	4.10	..	..	..	..
36.11	3.90	..	..	..	..
35.32	2.15	..	..	..	..
34.92	0.35	..	..	..	..
35.16	0.20	..	..	..	..
35.14	0.20	..	..	..	..
35.10	0.40	..	..	..	..
35.14	0.40	..	..	..	..
35.14	0.30	..	..	..	..
35.15	0.35	..	..	..	..
35.13	0.50	..	..	..	..
35.09	0.35	..	..	..	..
34.90	1.15	..	..	..	..
34.80	1.60	..	..	..	..
34.83	..	..	..	..	..
34.76	..	..	..	..	..
34.97	..	..	..	..	..
35.91	..	..	..	..	..
36.08	..	..	..	..	..
36.24	..	..	..	..	..
35.30	..	..	..	..	..
34.91	..	..	..	..	..
35.20	..	..	..	..	..
35.37	..	..	..	..	..
35.30	..	..	..	..	..
35.23	..	..	..	..	..
35.21	..	..	..	..	..
35.08	..	..	..	..	..
35.06	..	..	..	..	..
35.13	..	..	..	..	..
35.07	..	..	..	..	..
34.79	..	..	..	..	..
34.72	..	..	..	..	..
34.31	4.45	..	..	..	..
34.16	4.51	..	..	..	..
34.40	4.45	..	..	..	..
35.65	4.40	..	..	..	..
36.05	4.25	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						75	27.83
						100	26.09
						150	18.54
						200	15.57
						300	12.79
						400	11.65
						500	10.83
						600	10.22
						700	9.68
						800	8.82
						1000	7.33
						1200	6.17
						1500	4.64
						1800	3.36
678	19-12-61	2130—2320	10° 00' N	72° 32' E	>1800	0	28.32
						10	28.30
						20	28.50
						30	28.66
						50	29.17
						75	27.76
						100	25.02
						150	16.83
						200	14.76
						300	12.82
						400	11.73
						500	10.93
						600	10.30
						700	9.53
						800	8.67
						1000	7.25
						1200	6.05
						1500	4.38
679	20-12-61	0200—0315	10° 00' N	72° 07' E	900	0	28.00
						10	28.54
						20	28.63
						30	28.59
						50	28.79
						75	28.42
						100	26.59
						150	16.65
						200	14.69
						300	12.48

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.18	3.90	..	..	..	..
36.06	2.85	..	..	..	..
35.05	0.35	..	..	..	..
35.16	0.25	..	..	..	..
35.20	0.35	..	..	..	..
35.18	0.35	..	..	..	..
35.23	0.30	..	..	..	..
35.16	0.30	..	..	..	..
35.15	0.25	..	..	..	..
35.16	0.35	..	..	..	..
35.26	0.30	..	..	..	..
34.96	1.05	..	..	..	..
34.96	1.05	..	..	..	..
34.99	0.95	..	..	..	..
34.23	..	..	..	..	..
34.13	..	..	..	..	..
34.44	..	..	..	..	..
34.94	..	..	..	..	..
35.87	..	..	..	..	..
35.97	..	..	..	..	..
35.74	..	..	..	..	..
35.04	..	..	..	..	..
35.14	..	..	..	..	..
35.21	..	..	..	..	..
35.26	..	..	..	..	..
35.23	..	..	..	..	..
35.16	..	..	..	..	..
35.14	..	..	..	..	..
35.10	..	..	..	..	..
35.03	..	..	..	..	..
34.94	..	..	..	..	..
34.87	..	..	..	..	..
34.60	4.40	..	..	..	..
34.55	4.35	..	..	..	..
35.28	4.30	..	..	..	..
35.46	4.40	..	..	..	..
36.04	4.30	..	..	..	..
36.37	4.20	..	..	..	..
36.09	3.15	..	..	..	..
34.99	0.50	..	..	..	..
35.01	0.35	..	..	..	..
35.07	0.65	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						400	11.43
						500	10.75
680	20-12-61	0600—0745	10° 24' N	72° 07' E	>1800	0	28.11
						10	28.21
						20	28.21
						30	28.82
						50	28.75
						75	28.31
						100	26.29
						150	17.05
						200	14.97
						300	12.20
						400	11.43
						500	10.95
						600	10.23
						700	9.59
						800	8.89
						1000	7.39
						1200	5.98
						1500	4.56
						1800	3.36
681	20-12-1961	1125—1225	10° 49' N	72° 07' E	1075	0	28.60
						10	28.68
						20	28.63
						30	28.65
						50	28.67
						75	27.42
						100	22.49
						150	17.76
						200	14.78
						300	12.71
						400	11.78
						500	10.92
						600	10.11
						700	9.42
						800	8.99
						1000	7.51
682	20-12-1961	1500—1630	11° 13' N	72° 07' E	>1200	0	29.00
						10	28.60
						20	28.55
						30	28.53

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.12	0.50	..	..	..	..
35.12	0.35	..	..	..	..
34.66	4.60	..	..	..	..
34.65	4.45	..	..	..	..
34.70	4.40	..	..	..	..
35.73	4.55	..	..	..	..
36.00	4.55	..	..	..	..
36.36	4.50	..	..	..	..
36.11	2.90	..	..	..	..
35.19	0.35	..	..	..	..
35.21	0.25	..	..	..	..
35.22	0.35	..	..	..	..
35.13	0.35	..	..	..	..
35.14	0.30	..	..	..	..
35.14	0.30	..	..	..	..
35.16	0.30	..	..	..	..
35.16	0.35	..	..	..	..
35.05	0.65	..	..	..	..
34.87	1.05	..	..	..	..
34.88	1.40	..	..	..	..
34.78	2.15	..	..	..	..
35.99	..	..	..	..	..
35.91	..	..	..	..	..
35.91	..	..	..	..	..
35.93	..	..	..	..	..
36.26	..	..	..	..	..
36.29	..	..	..	..	..
35.90	..	..	..	..	..
35.23	..	..	..	..	..
35.16	
35.19	
35.22	
35.30	
35.34	
35.27	
35.22	
35.16	
36.08	4.55	
36.12	4.50	
36.19	4.40	
36.98	4.45	

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Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						50	28.18
						75	26.02
						100	20.35
						150	17.08
						200	14.94
						300	12.49
						400	11.67
						500	11.02
						600	10.27
						700	9.46
						800	8.64
						1000	7.38
						1200	6.12
683	20-12-1961	2040—2240	11° 37' N	72° 07' E	1500	0	28.50
						10	28.48
						20	28.40
						30	28.37
						50	28.39
						75	28.37
						100	24.77
						150	17.55
						200	14.90
						300	12.61
						400	11.77
						500	10.94
						600	10.53
						700	10.17
						800	9.87
						1000	9.14
						1200	8.60
684	21-12-1961	0120—0300	11° 34' N	72° 41' E	>1500	0	28.88
						10	28.82
						20	28.82
						30	28.74
						50	28.58
						75	27.36
						100	24.65
						150	17.80
						200	15.51
						300	13.05
						400	11.86
						500	11.11

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
37.34	4.25	..	..	..	..
36.79	3.90	..	..	..	..
36.21	3.55	..	..	..	..
35.27	0.20	..	..	..	..
35.16	0.15	..	..	..	..
35.25	0.20	..	..	..	..
35.27	0.20	..	..	..	..
35.26	0.25	..	..	..	..
35.22	0.30	..	..	..	..
35.22	0.30	..	..	..	..
35.21	0.40	..	..	..	..
35.03	0.60	..	..	..	..
35.00	0.95	..	..	..	..
36.20	4.30	..	..	..	..
36.23	4.30	..	..	..	..
36.23	..	..	..	..	..
36.18	..	..	..	..	..
36.47	4.34	..	..	..	..
36.53	..	..	..	..	..
36.18	4.25	..	..	..	..
35.45	1.05	..	..	..	..
35.26	0.20	..	..	..	..
35.34	..	..	..	..	..
35.32	0.25	..	..	..	..
35.26	0.30	..	..	..	..
35.30	0.35	..	..	..	..
35.29	0.25	..	..	..	..
35.28	0.35	..	..	..	..
35.26	0.30	..	..	..	..
35.23	0.35	..	..	..	..
35.99	..	..	..	..	..
35.95	..	..	..	..	..
35.99	..	..	..	..	..
36.08	..	..	..	..	..
36.26	..	..	..	..	..
36.22	..	..	..	..	..
35.87	..	..	..	..	..
35.21	..	..	..	..	..
35.24	..	..	..	..	..
35.34	..	..	..	..	..
35.28	..	..	..	..	..
35.25	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						600	10.20
						700	9.35
						800	8.91
						1000	7.27
						1200	6.17
						1500	4.62
685	21-12-1961	0545—0640	11°27'N	72°55'E	650	0	29.00
						10	28.80
						20	28.85
						30	28.75
						50	28.42
						75	27.81
						100	24.36
						150	17.83
						200	15.51
						300	12.58
						400	11.65
						500	10.72
686	21-12-1961	0920—1135	11°17'N	73°17'E	> 2000	0	28.49
						10	28.51
						20	28.93
						30	28.89
						50	28.89
						75	28.70
						100	27.52
						150	21.47
						200	16.10
						300	13.53
						400	11.35
						500	10.85
						600	10.08
						700	9.21
						800	8.52
						1000	7.09
						1200	6.02
						1500	4.34
						1800	3.58
						2000	3.16
687	21-12-1961	1420—1730	11°06'N	73°38'E	>2000	0	28.79
						10	28.67
						20	29.02

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.23	..	..	..	..	..
35.20	..	..	..	..	..
35.14	..	..	..	..	..
34.99	..	..	..	..	..
34.92	..	..	..	..	..
34.92	..	..	..	..	..
35.90	..	..	..	..	..
36.02	..	..	..	..	..
36.65	..	..	..	..	..
36.65	..	..	..	..	..
36.27	..	..	..	..	..
36.26	..	..	..	..	..
35.81	..	..	..	..	..
35.34	..	..	..	..	..
35.17	..	..	..	..	..
35.28	..	..	..	..	..
35.32	..	..	..	..	..
35.23	..	..	..	..	..
35.50	4.35	..	..	..	..
35.51	4.35	..	..	..	..
35.71	4.35	..	..	..	..
35.91	4.30	..	..	..	..
35.88	4.20	..	..	..	..
35.84	4.30	..	..	..	..
35.75	3.65	..	..	..	..
35.42	0.40	..	..	..	..
35.25	0.05	..	..	..	..
35.24	0.20	..	..	..	..
35.23	0.25	..	..	..	..
35.19	0.25	..	..	..	..
35.15	0.20	..	..	..	..
35.10	0.75	..	..	..	..
35.08	0.70	..	..	..	..
35.10	1.00	..	..	..	..
34.94	1.55	..	..	..	..
35.00	2.05	..	..	..	..
34.88	1.90	..	..	..	..
34.88	2.15	..	..	..	..
35.10	4.40	..	..	..	..
35.01	4.35	..	..	..	..
35.71	4.45	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						30	28.90
						50	28.79
						75	28.17
						100	25.29
						150	18.66
						200	16.08
						300	13.39
						400	12.25
						500	11.62
						600	10.90
						700	10.35
						800	9.64
						1000	8.40
						1200	6.24
						1500	4.64
						1800	3.37
						2000	2.65
688	4-1-1962	0540—0610	11° 14' N	75° 42' E	11	0	27.16
						9	27.42
689	4-1-1962	0720—0735	11° 11' N	75° 32' E	35	0	27.35
						10	27.51
						20	27.53
						32	27.67
690	4-1-1962	0840—0900	11° 08' N	75° 23' E	47	0	27.72
						10	27.95
						20	27.94
						30	27.93
						45	27.94
691	4-1-1962	1020—1045	11° 05' N	77° 14' E	67	0	27.80
						10	27.91
						20	28.15
						30	28.16
						50	28.33
						65	28.17
692	4-1-1962	1420—1453	11° 03' N	75° 04' E	120	0	28.10
						10	28.05
						20	27.99
						30	28.13
						50	28.40

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.84	4.40	..	..	..	..
36.04	4.35	..	..	..	..
36.23	4.20	..	..	..	..
35.80	2.40	..	..	..	..
35.27	0.25	..	..	..	..
35.28	0.10	..	..	..	..
35.29	0.20	..	..	..	..
35.29	0.15	..	..	..	..
35.25	0.20	..	..	..	..
35.23	0.30	..	..	..	..
35.25	0.35	..	..	..	..
35.22	0.35	..	..	..	..
35.10	0.40	..	..	..	..
34.94	1.00	..	..	..	..
34.82	1.40	..	..	..	..
34.75	2.05	..	..	..	..
34.75	2.45	..	..	..	..
34.31	4.25	..	..	..	..
34.25	4.65	..	..	..	..
34.34	..	..	..	..	..
34.29	..	..	..	..	..
34.44	..	..	..	..	..
34.50	..	..	..	..	..
34.34	4.65	..	..	..	Z—1:42—0 m	
34.34	4.70	..	..	..	..
34.38	4.65	..	..	..	..
34.45	4.40	..	..	..	..
34.25	4.50	..	..	..	..
34.26	..	..	..	..	..
34.32	..	..	..	..	..
34.47	..	..	..	..	..
34.78	..	..	..	..	..
34.81	..	..	..	..	..
34.79	..	..	..	..	..
34.22	4.40	..	..	..	Z—1:115—0	
34.14	4.60	..	..	..	..
34.16	4.80	..	..	..	..
34.39	4.65	..	..	..	..
34.67	4.45	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						75	28.06
						100	25.38
						115	21.29
693	4-1-1962	1600—1645	11° 00' N	74° 55' E	1075	0	28.18
						10	28.48
						20	28.49
						30	28.60
						50	28.61
						75	28.66
						100	24.14
						150	16.88
						200	..
						300	11.38
						400	10.91
						500	10.38
694	4-1-1962	1757—1840	10° 57' N	74° 46' E	1300	0	28.51
						10	28.68
						20	28.60
						30	28.56
						50	28.59
						75	28.61
						100	25.76
						150	17.44
						200	13.68
						300	11.95
						400	11.07
						500	10.77
695	4-1-1962	2135—2230	10° 51' N	75° 10' E	180	0	27.83
						10	27.96
						20	27.94
						30	27.92
						50	27.90
						75	..
						100	27.68
						150	17.02
696	5-1-1962	0035—0050	10° 50' N	75° 26' E	..	..	..
697	5-1-1962	0320—0415	10° 48' N	75° 43' E	33		26.90
						100	28.00

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.79	3.65	..	..	..	..
35.68	2.60	..	..	..	..
35.34	1.25	..	..	..	..
34.33	..	..	..	..	..
34.76	..	..	..	..	..
34.92	..	..	..	..	..
35.01	..	..	..	..	..
35.01	..	..	..	..	..
35.14	..	..	..	..	..
35.54	..	..	..	..	..
35.10	..	..	..	..	..
35.17	..	..	..	..	..
35.13	..	..	..	..	..
35.07	..	..	..	..	..
35.13	..	..	..	..	..
34.91	4.50	..	..	..	Z—1:125—0	
34.89	4.50	..	..	..	..
34.96	4.55	..	..	..	..
34.94	4.40	..	..	..	..
35.05	4.50	..	..	..	..
35.17	4.50	..	..	..	..
35.52	2.80	..	..	..	..
35.22	0.25	..	..	..	..
35.23	0.35	..	..	..	..
35.19	0.60	..	..	..	..
35.19	0.60	..	..	..	..
35.21	0.50	..	..	..	..
34.34	4.65	..	..	..	Z—1:175—0	
34.33	4.50	..	..	..	..
34.36	4.50	..	..	..	..
34.40	4.55	..	..	..	..
34.38	4.40	..	..	..	..
..	4.55	..	..	..	..
35.37	4.05	..	..	..	..
35.17	0.25	..	..	..	..
..	..	..	..	B.T.	..	
34.24	4.55	..	..	..	Z—1:30—0	
34.22	4.40	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						20	28.01
						30	28.01
698	5-1-1962	0515—0520	10° 40' N	75° 36' E	..	..	..
699	5-1-1962	0745—0835	10° 32' N	75° 30' E	195	0	27.69
						10	27.94
						20	27.91
						30	27.94
						50	28.61
						75	28.76
						100	27.66
						150	19.70
						190	15.46
700	5-1-1962	1730—1800	10° 15' N	75° 54' E	34	0	27.90
						10	27.77
						20	27.64
						32	27.62
701	5-1-1962	1930—1935	10° 09' N	75° 49' E	..	..	..
702	5-1-1962	2025—2055	10° 03' N	75° 42' E	185	0	27.69
						10	27.88
						20	27.90
						30	27.97
						50	28.58
						75	27.51
						100	23.42
						150	17.68
						180	15.07
703	6-1-1962	1105—1115	09° 59' N	75° 51' E	..	..	..
704	6-1-1962	1315—1340	09° 56' N	76° 06' E	25	0	28.65
						10	27.82
						20	27.84
705	6-1-1962	1450—1510	09° 54' N	75° 57' E	41	0	28.00
						10	27.88
						20	28.00
						30	27.93
						40	28.22

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.20	4.30	..	..	..	..
34.14	4.50	..	..	..	..
..	..	..	..	B.T.	..	
34.16	..	..	..	..	Z-1:190-0	
34.14	..	..	..	..	..
34.18	..	..	..	..	..
34.20	..	..	..	..	..
34.78	..	..	..	..	..
35.46	..	..	..	..	..
35.81	..	..	..	..	..
35.27	..	..	..	..	..
35.24	..	..	..	..	..
34.24	4.60	..	..	..	Z-1:30-0	
34.16	4.45	..	..	..	..
34.19	4.50	..	..	..	..
34.18	..	..	..	..	..
..	..	..	..	B.T.	..	
34.14	4.50	..	..	..	Z-1:180-0	
34.08	4.60	..	..	..	..
34.08	4.55	..	..	..	..
34.05	4.30	..	..	..	..
34.81	4.35	..	..	..	..
35.62	3.70	..	..	..	..
35.46	1.75	..	..	..	..
35.52	0.15	..	..	..	..
34.97	0.25	..	..	..	..
..	..	..	..	B.T.	..	
35.53	..	..	..	..	Z-1:20-0	
33.71	..	..	..	..	..
33.78	..	..	..	..	..
33.66	..	..	..	..	Z-1:35-0	
33.58	..	..	..	..	..
33.75	..	..	..	..	..
33.86	..	..	..	..	..
34.38	..	..	..	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
33.95	4.55	..	..	..	..
33.86	4.50	..	..	..	..
34.45	4.50	..	..	..	..
34.02	4.55	..	..	..	..
35.01	4.20	..	..	..	..
35.53	4.20	..	..	..	..
34.05	..	..	..	..	Z-1:147-0	
34.04	..	..	..	..	..
34.16	..	..	..	..	..
34.20	..	..	..	..	..
35.26	..	..	..	..	..
35.82	..	..	..	..	..
35.64	..	..	..	..	..
35.13	..	..	..	..	..
35.02	..	..	..	..	..
34.55	4.65	..	..	..	..
34.49	4.55	..	..	..	..
34.52	4.40	..	..	..	..
34.57	4.55	..	..	..	..
35.62	4.30	..	..	..	..
35.61	3.90	..	..	..	..
35.04	1.85	..	..	..	..
35.07	0.45	..	..	..	..
35.13	0.35	..	..	..	..
35.15	0.65	..	..	..	..
35.04	0.55	..	..	..	..
35.12	0.65	..	..	..	..
34.87	..	..	..	..	..
34.80	..	..	..	..	..
34.79	..	..	..	..	..
34.83	..	..	..	..	..
35.56	..	..	..	..	..
36.13	..	..	..	..	..
35.81	..	..	..	..	..
36.08	..	..	..	..	..
35.14	..	..	..	..	..
35.09	..	..	..	..	..
35.15	..	..	..	..	..
34.83	4.40	..	..	..	..
34.58	4.65	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						20	28.53
						30	28.80
						50	29.00
						75	28.06
						100	25.93
						150	15.12
						200	13.79
						300	12.04
						400	10.91
						500	10.42
711	7-1-1962	0800—0835	09° 34' N	75° 35' E	200	0	28.60
						10	28.43
						20	28.67
						30	28.46
						50	28.87
						75	27.43
						100	22.86
						150	19.45
712	7-1-1962	1145—1150	09° 30' N	75° 59' E	..	..	..
713	7-1-1962	1315—1335	09° 30' N	76° 14' E	25	0	28.66
						10	27.81
						20	27.77
714	7-1-1962	1505—1515	09° 21' N	76° 02' E	..	..	..
715	7-1-1962	1638—1745	09° 12' N	75° 54' E	325	0	28.48
						10	28.87
						20	28.90
						30	29.02
						50	28.18
						75	25.01
						100	27.74
						150	17.01
						200	15.91
						300	15.52
						320	15.63
716	8-1-1962	0040—0055	09° 11' N	76° 07' E	..	..	..
717	8-1-1962	0225—0255	09° 10' N	76° 20' E	28	0	27.69
						10	27.71

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.73	4.45	..	..	..	..
34.97	4.45	..	..	..	..
35.88	4.50	..	..	..	..
34.64	4.10	..	..	..	..
36.00	2.85	..	..	..	..
35.04	0.50	..	..	..	..
35.14	0.30	..	..	..	..
35.09	0.60	..	..	..	..
35.15	0.85	..	..	..	..
34.70	4.50	..	..	..	Z-1:195-0	
34.56	4.45	..	..	..	..
34.82	4.60	..	..	..	..
34.87	4.45	..	..	..	..
35.47	3.70	..	..	..	..
36.09	1.20	..	..	..	..
35.58	0.80	..	..	..	..
35.16	..	..	..	..	..
..	..	..	..	B.T.	..	
33.59	4.60	..	..	..	Z-1:20-0	
33.63	4.70	..	..	..	..
33.75	4.40	..	..	..	..
..	..	..	..	B.T.	..	
34.42	..	..	..	..	Z-1:320-0	
34.42	..	..	..	..	..
34.85	..	..	..	..	..
35.19	..	..	..	..	..
35.58	..	..	..	..	..
35.64	..	..	..	..	..
35.32	..	..	..	..	..
35.03	..	..	..	..	..
35.07	..	..	..	..	..
35.05	..	..	..	..	..
..	
..	..	..	..	B.T.	..	
35.53	4.55	..	..	..	Z-1:23-0	
33.62	4.40	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						20	
						26	27.17
718	8-1-1962	0430—0500	08° 58' N	76° 16' E	..	..	..
719	8-1-1962	0645—0725	08° 46' N	76° 05' E	200	0	28.60
						10	28.75
						20	28.70
						30	28.85
						50	28.94
						75	27.48
						100	24.85
						150	17.72
						190	17.00
720	8-1-1962	0900—0910	08° 49' N	76° 20' E	..	..	..
721	8-1-1962	1050—1105	08° 51' N	76° 30' E	35	0	27.89
						10	28.08
						20	28.58
						24	28.72
722	8-1-1962	1215—1250	08° 45' N	76° 23' E	56	0	28.44
						10	28.43
						20	28.52
						30	28.79
						50	28.73
						55	28.70
723	8-1-1962	1400—1420	08° 38' N	76° 13' E	110	0	28.80
						10	28.72
						20	28.70
						30	28.85
						50	28.00
						75	27.89
						100	26.05
724	8-1-1962	2030—2100	08° 35' N	76° 16' E	>500	0	28.77
						10	28.71
						20	28.73
						30	29.02
						50	28.59
						75	27.78
						100	23.90

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.00	4.30	..	..	..	..
34.36	4.20	..	..	..	..
..	B.T.	..	
34.72	Z—1:15—0	
34.77	
34.76	
34.95	
35.30	
35.69	
35.88	
35.17	
35.15	
..	B.T.	..	
34.04	4.40	..	..	..	Z—1:30—0	
34.12	4.45	..	..	..	..
34.45	4.30	..	..	..	..
34.79	4.20	..	..	..	..
34.32	
34.35	
34.28	
34.59	
35.10	
35.20	
34.86	Z—1:105—0	
34.85	
34.84	
34.87	
34.99	
35.66	
35.95	
34.65	
34.72	
34.90	
35.24	
35.55	
35.95	
35.60	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						150	18.50
						200	14.06
						300	12.06
						400	10.44
						500	9.73
725	8-1-1962	2220—2250	08° 30' N	75° 57' E	>500	0	29.13
						10	28.82
						20	28.70
						30	29.02
						50	28.64
						75	26.76
						100	23.45
						150	18.25
						200	13.25
						300	11.63
						400	10.83
						500	9.61
726	9-1-1962	0010—0050	08° 25' N	75° 48' E	>500	0	29.12
						10	28.77
						20	28.78
						30	29.09
						50	28.69
						75	28.03
						100	24.57
						150	17.50
						200	14.11
						300	11.95
						400	11.12
						500	10.91
727	19-1-1962	2057—2200	09° 21' N	75° 05' E	>2000	0	28.94
						10	28.72
						20	28.76
						30	28.81
						50	28.72
						75	27.80
						100	23.63
						150	17.34
						200	11.77
						300	11.77
						400	10.75
						500	10.35

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.34	..	..	..	..	..
35.15	..	..	..	..	..
35.17	..	..	..	..	..
35.21	..	..	..	..	..
35.18	..	..	..	..	..
34.92	4.35		..	..	..
34.86	4.40	..	..	..	..
34.96	4.45	..	..	..	..
35.26	4.45	..	..	..	..
35.59	4.25	..	..	..	..
36.13	3.15	..	..	..	..
35.27	0.75	..	..	..	..
35.27	0.35	..	..	..	..
35.20	0.35	..	..	..	..
35.22	..	..	..	..	..
35.27	0.55	..	..	..	..
35.22	0.50	..	..	..	..
34.80	4.40	..	..	..	..
34.94	4.45	..	..	..	..
34.97	4.40	..	..	..	..
35.17	4.50	..	..	..	..
35.62	4.40	..	..	..	..
35.84	3.90	..	..	..	..
35.84	1.80	..	..	..	..
35.16	0.35	..	..	..	..
35.14	0.30	..	..	..	..
35.15	0.80	..	..	..	..
35.16	0.55	..	..	..	..
35.08	0.50	..	..	..	..
35.01	4.65	..	..	..	..
35.02	4.75	..	..	..	..
35.05	4.75	..	..	..	..
35.14	4.55	..	..	..	..
35.15	4.65	..	..	..	..
35.64	4.30	..	..	..	..
35.61	1.30	..	..	..	..
35.10	0.40	..	..	..	..
35.16	0.65	..	..	..	..
35.16	0.65	..	..	..	..
35.24	0.65	..	..	..	..

[illegible]

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.65	4.50	..	..	..	..
34.60	4.50	..	..	..	..
34.65	4.55	..	..	..	..
34.61	4.40	..	..	..	..
35.06	4.55	..	..	..	..
35.52	4.30	..	..	..	..
36.02	3.00	..	..	..	..
35.95	..	..	..	..	..
35.21	0.25	..	..	..	..
35.23	0.45	..	..	..	..
35.24	0.50	..	..	..	..
35.21	0.30	..	..	..	..
33.49	4.55	..	..	..	..
33.46	4.45	..	..	..	..
33.42	4.45	..	..	..	..
33.42	4.45	..	..	..	..
33.72	4.40	..	..	..	..
34.74	4.35	..	..	..	..
36.26	4.50	..	..	..	..
35.43	1.00	..	..	..	..
35.07	0.40	..	..	..	..
35.19	0.60	..	..	..	..
35.10	0.60	..	..	..	..
35.13	0.65	..	..	..	..
33.71	4.55	..	..	..	..
33.67	4.45	..	..	..	..
33.64	4.50	..	..	..	..
33.66	4.40	..	..	..	..
33.74	4.60	..	..	..	..
33.71	4.60	..	..	..	..
35.44	0.40	..	..	..	..
35.34	0.20	..	..	..	..
35.07	0.60	..	..	..	..
35.10	0.55	..	..	..	..
35.12	0.55	..	..	..	..
35.10	0.50	..	..	..	..
35.03	0.30	..	..	..	..
35.17	0.65	..	..	..	..
35.07	0.60	..	..	..	..
35.07	0.50	..	..	..	..

[illegible]

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
33.44	4.65	..	..	..	..
33.47	4.55	..	..	..	..
33.48	4.55	..	..	..	..
33.60	4.55	..	..	..	..
33.99	4.45	..	..	..	..
33.97	4.40	..	..	..	..
34.56	4.25	..	..	..	..
35.01	0.70	..	..	..	..
35.08	0.25	..	..	..	..
35.09	0.40	..	..	..	..
35.12	0.45	..	..	..	..
35.11	0.45	..	..	..	..
35.05	0.50	..	..	..	..
35.02	0.55	..	..	..	..
34.99	0.65	..	..	..	..
34.87	0.95	..	..	..	..
35.10	0.30	..	..	..	..
33.15	4.65	..	..	..	..
33.20	4.65	..	..	..	..
33.19	4.65	..	..	..	..
33.35	4.45	..	..	..	..
33.73	4.55	..	..	..	..
34.00	4.40	..	..	..	..
34.00	4.40	..	..	..	..
35.03	0.45	..	..	..	..
35.12	0.25	..	..	..	..
35.07	0.65	..	..	..	..
35.09	0.60	..	..	..	..
35.10	0.55	..	..	..	..
..	..	..	..	B.T.	Z—1:200—0	
..	..	..	..	B.T.	Z—1:200—0	
..	..	..	..	B.T.	..	
..	..	..	..	B.T.	..	
34.70	4.95	..	..	..	..
..	
..	
34.86	4.80	..	..	..	..
34.91	4.80	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						75	27.19
						100	25.76
						120	21.26
738	1-2-1962	0505—0535	11° 32' N	74° 38' E	62	0	..
						10	27.89
						20	28.15
						30	28.11
						50	28.56
739	1-2-1962	0645—0708	11° 36' N	75° 07' E	52	0	28.09
						10	28.22
						20	28.22
						30	28.23
						50	28.05
740	1-2-1962	0817—0835	11° 35' N	75° 18' E	40	0	28.04
						10	28.15
						20	28.16
						35	28.15
741	1-2-1962	1020—1030	11° 34' N	75° 26' E	8	0	27.85
						5	27.94
742	1-2-1962	2030—2040	11° 24' N	75° 11' E	..	..	..
743	1-2-1962	2250—2300	11° 19' N	75° 01' E	80	..	..
744	1-2-1962	2330—2340	11° 14' N	75° 00' E	100	..	..
745	2-2-1962	0025—0050	11° 09' N	75° 03' E	112	..	..
746	2-2-1962	0135—0150	11° 04' N	75° 07' E	116	..	..
747	2-2-1962	0230—0245	11° 00' N	75° 12' E	100	..	..
748	2-2-1962	0400—0415	11° 07' N	75° 22' E	54	..	..
749	2-2-1962	0550—0605	11° 15' N	75° 11' E	60	..	..
750	2-2-1962	0750—0800	11° 10' N	75° 27' E	44	..	..
751	2-2-1962	0950—0957	11° 20' N	75° 29' E	38	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.79	4.55	..	..	..	..
35.81	3.30	..	..	..	..
35.28	1.30	..	..	..	..
34.56	4.55	..	..	..	..
..	5.10	..	..	..	..
34.49	4.50	..	..	..	..
34.45	4.75	..	..	..	..
35.23	4.70	..	..	..	..
34.96	4.70	..	..	..	..
34.98	4.65	..	..	..	..
34.90	4.65	..	..	..	..
34.94	4.80	..	..	..	..
34.88	4.50	..	..	..	..
34.85	4.90	..	..	..	..
34.78	4.65	..	..	..	..
34.87	4.85	..	..	..	..
35.00	4.35	..	..	..	..
34.87	4.60	..	..	..	..
34.92	4.20	..	..	..	..
..	..	..	..	B.T.	Z—1:53—0	
..	..	..	..	..	Z—1:75—0	
..	..	..	..	..	Z—1:95—0	
..	..	..	..	B.T.	Z—1:100—0	
..	..	..	..	..	Z—1:110—0	
..	..	..	..	..	Z—1:95—0	
..	..	..	..	B.T.	Z—1:50—0	
..	..	..	..	..	Z—1:55—0	
..	..	..	..	..	Z—1:40—0	
..	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
752	2-2-1962	1140—1147	11° 10' N	75° 34' E	..	..	..
753	2-2-1962	1410—1435	11° 00' N	75° 40' E	28	..	..
754	2-2-1962	1640—1710	10° 55' N	75° 31' E	54	..	..
755	2-2-1962	1820—1830	10° 47' N	75° 21' E	76	..	..
756	2-2-1962	2010—2015	10° 40' N	75° 26' E	70	..	..
757	2-2-1962	2110—2115	10° 34' N	75° 31' E	62	..	..
758	2-2-1962	2315—2340	10° 34' N	75° 40' E	48	..	..
759	3-2-1962	0200—0210	10° 45' N	75° 30' E	54	..	..
760	3-2-1962	0555—	10° 38' N	75° 45' E	34	..	..
761	3-2-1962	1030—1045	10° 46' N	75° 50' E	18	0 10 16	27.70 27.71 27.71
762	3-2-1962	1134—1150	10° 42' N	75° 42' E	36	0 10 20 30	27.97 27.98 27.92 27.83
763	3-2-1962	1300—1320	10° 38' N	75° 34' E	60	0 10 20 30 55	28.12 28.06 28.01 28.00 28.10
764	3-2-1962	1430—1515	10° 35' N	75° 25' E	174	0 10 20 30 50 75 100 150 170	28.61 28.26 28.26 28.33 28.23 28.22 27.30 19.72 17.75

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
..	..	..	..	B.T.	Z—2:30—0 28—0	
..	..	..	..	..	Z—1:20—0	
..	..	..	..	B.T.	..	
..	..	..	..	..	Z—1:70—0	
..	..	..	..	B.T.	..	
..	..	..	..	..	Z—1:55—0	
..	..	..	..	..	Z—1:40—0	
..	..	..	..	..	Z—1:45—0	
..	..	..	..	..	Z—1:30—0	
34.79	4.35	..	..	..	..
34.69	..	..	..	..	..
34.73	4.35	..	..	..	..
34.96	4.60	..	..	..	Z—1:30—0	
34.86	4.50	..	..	..	..
34.88	..	..	..	..	..
34.91	4.35	..	..	..	..
34.94	4.70	..	..	..	..
34.90	..	..	..	..	..
34.81	4.65	..	..	..	..
34.78	..	..	..	..	..
35.07	4.35	..	..	..	..
34.80	4.60	..	..	..	..
34.67	4.70	..	..	..	..
34.81	4.65	..	..	..	..
34.83	4.70	..	..	..	..
34.87	4.50	..	..	..	..
34.88	4.65	..	..	..	..
35.50	3.65	..	..	..	..
35.19	0.95	..	..	..	..
35.14	0.80	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
765	3-2-1962	1615—1730	10° 30' N	75° 15' E	380	0	28.20
						10	28.11
						20	28.28
						30	28.06
						50	28.10
						75	28.54
						100	28.40
						150	17.25
						200	13.97
						300	12.11
						370	11.14
766	3-2-1962	1846—1930	10° 25' N	75° 07' E	>1500	0	27.89
						10	27.96
						20	27.98
						30	28.21
						50	28.22
						75	28.81
						100	28.28
						150	17.33
						200	14.00
						300	13.85
						400	12.74
						500	11.77
767	3-2-1962	2045—2125	10° 22' N	74° 59' E	>500	0	27.81
						10	27.88
						20	27.80
						30	27.99
						50	28.33
						75	28.50
						100	28.38
						150	18.72
						200	14.25
						300	12.44
						400	11.16
						500	10.82
768	9-2-1962	2115—2125	12° 55' N	74° 41' E	18	..	..
769	10-2-1962	0015—0030	12° 50' N	74° 32' E	47	..	..
770	10-2-1962	0130—0145	12° 47' N	74° 14' E	60	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.55	5.00	..	..	..	..
34.42	4.75	..	..	..	..
34.60	4.70	..	..	..	..
34.56	4.70	..	..	..	..
34.65	4.60	..	..	..	..
35.35	4.70	..	..	..	..
36.04	4.60	..	..	..	..
35.16	0.30	..	..	..	..
35.08	0.30	..	..	..	..
35.16	0.45	..	..	..	..
35.07	0.80	..	..	..	..
34.24	4.60	..	..	..	Z—1:200—0	
34.29	4.60	..	..	..	..
34.22	4.55	..	..	..	..
34.45	4.50	..	..	..	..
34.77	4.60	..	..	..	..
35.75	4.50	..	..	..	..
36.26	4.40	..	..	..	..
35.16	0.25	..	..	..	..
35.18	0.25	..	..	..	..
35.17	0.20	..	..	..	..
35.18	0.35	..	..	..	..
..	
34.10	..	..	..	..	..
34.05	4.65	..	..	..	..
34.05	..	..	..	..	..
34.24	..	..	..	..	..
34.81	4.45	..	..	..	..
35.40	4.50	..	..	..	..
36.33	4.30	..	..	..	..
35.25	0.40	..	..	..	..
39.12	..	..	..	..	..
35.21	0.35	..	..	..	..
35.19	..	..	..	..	..
35.23	0.45	..	..	..	..
..	..	..	..	B.T.	Z—1:12—0	
..	..	..	..	B.T.	..	
..	..	..	..	B.T.	Z—1:55—0	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
771	10-2-1962	0250—0300	12° 44' N	74° 14' E	100	..	..
772	10-2-1962	0650—0835	12° 19' N	73° 51' E	>1250	0	28.29
						10	28.15
						20	28.38
						30	28.21
						50	28.38
						75	28.30
						100	28.31
						150	23.31
						200	15.30
						300	12.55
						400	11.40
						500	10.74
						600	..
						700	9.39
						800	8.68
						1000	7.69
773	10-2-1962	0945—1045	12° 24' N	74° 00' E	>1500	0	28.30
						10	28.29
						20	28.69
						30	28.78
						50	28.13
						75	28.51
						100	27.92
						150	21.84
						200	16.91
						300	13.11
						400	11.65
						500	11.42
						600	10.17
						700	9.48
						800	8.94
						1000	7.31
774	10-2-1962	1200—1250	12° 29' N	74° 09' E	650	0	28.50
						10	28.28
						20	28.63
						30	28.65
						50	28.21
						75	28.10
						100	26.88
						150	18.33

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
..	..	..	..	B.T.	..	
34.64	4.65	..	..	..	Z-1:200-0	
34.64	4.65	..	..	..	..
35.00	4.75	..	..	..	..
35.61	4.55	..	..	..	..
36.00	4.65	..	..	..	..
36.11	4.70	..	..	..	..
36.26	4.60	..	..	..	..
35.70	1.00	..	..	..	..
35.34	0.15	..	..	..	..
35.27	0.35	..	..	..	..
35.25	0.30	..	..	..	..
35.30	0.35	..	..	..	..
35.27	0.30	..	..	..	..
35.23	0.30	..	..	..	..
35.18	0.45	..	..	..	..
35.12	0.90	..	..	..	..
34.15	4.75	..	..	..	Z-1:200-0	
34.69	4.65	..	..	..	..
35.41	4.65	..	..	..	..
35.71	4.70	..	..	..	..
35.91	4.65	..	..	..	..
36.00	4.65	..	..	..	..
36.14	4.10	..	..	..	..
35.43	0.35	..	..	..	..
35.32	0.20	..	..	..	..
35.32	0.20	..	..	..	..
35.32	0.30	..	..	..	..
35.37	0.30	..	..	..	..
35.26	0.30	..	..	..	..
35.25	0.40	..	..	..	..
35.26	0.30	..	..	..	..
35.07	0.75	..	..	..	..
34.33	4.70	..	..	..	Z-1:200-0	
34.63	4.75	..	..	..	..
34.30	4.70	..	..	..	..
35.39	4.55	..	..	..	..
35.64	4.60	..	..	..	..
36.13	4.25	..	..	..	..
35.91	3.65	..	..	..	..
35.30	0.25	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						200	..
						300	12.82
						400	11.35
						500	10.58
775	10-2-1962	1400—1430	12° 34' N	74° 18' E	116	0	29.40
						10	28.34
						20	28.42
						30	28.35
						50	28.31
						75	28.09
						100	28.08
776	10-2-1962	1535—1550	12° 38' N	74° 27' E	65	0	29.00
						10	28.40
						20	28.39
						30	28.31
						50	28.31
777	10-2-1962	1705—1725	12° 43' N	74° 36' E	49	0	28.38
						10	28.40
						20	28.52
						30	28.52
						45	28.53
778	10-2-1962	1834—1900	12° 49' N	74° 34' E	20	0	29.00
						5	28.67
						10	28.65
						16	28.51
779	10-2-1962	1950—2000	12° 39' N	74° 48' E	20	..	..
780	10-2-1962	2105—2114	12° 34' N	74° 40' E	44	..	..
781	10-2-1962	2222—2230	12° 29' N	74° 31' E	62	..	..
782	10-2-1962	2338—2347	12° 24' N	74° 22' E	116	..	..
783	11-2-1962	0055—0115	12° 13' N	74° 27' E	118	..	..
784	11-2-1962	0215—0230	12° 17' N	74° 36' E	68	..	..
785	11-2-1962	0330—0345	12° 21' N	74° 45' E	50	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.64	..	..	..	..	..
35.28	0.40	..	..	..	..
35.25	0.40	..	..	..	..
35.25	0.50	..	..	..	..
34.71	..	..	..	..	Z-1:110-0	
34.79	..	..	..	..	..
35.05	..	..	..	..	..
35.38	..	..	..	..	..
35.61	..	..	..	..	..
35.95	..	..	..	..	..
35.88	..	..	..	..	..
35.17	4.65	..	..	..	Z-1:60-0	
35.16	4.65	..	..	..	..
35.23	4.55	..	..	..	..
35.44	4.65	..	..	..	..
35.68	4.60	..	..	..	..
34.93	4.70	..	..	..	Z-1:40-0	
34.84	4.65	..	..	..	..
35.07	4.55	..	..	..	..
35.21	4.65	..	..	..	..
35.28	4.40	..	..	..	..
35.20	4.65	..	..	..	Z-1:15-0	
34.91	4.70	..	..	..	..
34.84	4.65	..	..	..	..
34.77	4.80	..	..	..	..
..	..	..	..	..	Z-1:10-0	
..	..	..	..	B.T.	Z-1:35-0	
..	..	..	..	B.T.	Z-1:55-0	
..	..	..	..	B.T.	Z-1:110-0	
..	..	..	..	B.T.	Z-1:110-0	
..	..	..	..	B.T.	Z-1:60-0	
..	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
786	11-2-1962	0450—0505	12° 25' N	74° 54' E	18	..	..
787	11-2-1962	0605—0620	12° 16' N	74° 59' E	18	0 5 10 15	28.40 28.58 28.58 28.54
788	11-2-1962	0730—0740	12° 12' N	74° 50' E	50	0 10 20 30 45	28.25 28.40 28.41 28.42 28.44
789	11-2-1962	0850—0910	12° 08' N	74° 40' E	65	0 10 20 30 50	28.32 28.39 28.44 28.33 28.28
790	11-2-1962	1155—1225	12° 04' N	74° 32' E	118	0 10 20 30 50 75 100	28.20 28.15 28.43 28.27 28.53 28.30 28.61
791	11-2-1962	1335—1405	11° 59' N	74° 21' E	250	0 10 20 30 50 75 100 150 200	28.50 28.11 28.29 28.31 28.21 28.18 27.88 17.21 14.38
792	11-2-1962	1510—1610	11° 59' N	74° 12' E	1125	0 10 20 30 50 75	28.50 28.26 28.08 28.39 28.16 27.94

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
..	B.T.	Z—1:13—0	
34.89	
34.79	
34.89	
34.88	
34.81	Z—1:45—0	
35.05	
34.85	
34.86	
35.10	
..	
34.85	Z—1:55—0	
34.80	
34.91	
34.98	
35.32	
34.02	Z—1:110—0	
34.40	
34.94	
35.11	
35.64	
36.18	
36.11	
33.88	Z—1:200—0	
34.27	
34.85	
35.53	
35.91	
36.18	
36.73	
35.25	
35.30	
34.29	Z—1:200—0	
35.16	
35.46	
36.00	
36.04	
36.14	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						100	27.67
						150	17.90
						200	15.26
						300	12.56
						400	11.41
						500	10.78
						600	10.52
						750	9.82
						1000	7.83
793	11-2-1962	1715—1845	11° 50' N	74° 03' E	1500	0	28.28
						10	28.30
						20	28.30
						30	28.28
						50	28.37
						75	27.89
						100	25.34
						150	17.71
						200	14.48
						300	12.54
						400	11.41
						500	11.74
						600	10.13
						700	9.54
						800	..
						1000	7.58
794	11-2-1962	2130—2135	11° 49' N	74° 27' E	150	..	..
795	12-2-1962	0015—0025	11° 53' N	74° 37' E	..	..	..
796	12-2-1962	0125—0135	11° 57' N	74° 26' E	60	..	..
797	12-2-1962	0230—0240	12° 01' N	74° 56' E	48	..	..
798	12-2-1962	0350—0400	12° 06' N	75° 05' E	20	..	..
799	12-2-1962	0620—0630	11° 55' N	75° 10' E	22	..	..
800	12-2-1962	0907—0915	11° 51' N	75° 02' E	50	..	..
801	12-2-1962	1031—1039	11° 46' N	75° 05' E	..	..	..
802	12-2-1962	1400—1410	11° 48' N	75° 21' E	20	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.29	
35.21	
35.27	
35.29	
35.30	
35.25	
35.34	
35.30	
35.12	
33.95	Z—1:200—0	
35.22	
35.50	
35.74	
36.00	
36.20	
35.95	
35.84	
35.28	
35.37	
35.32	
35.28	
35.30	
35.19	
35.09	
..	B.T.	..	
..	B.T.	Z—1:75—0	
..	B.T.	..	
..	B.T.	Z—1:40—0	
..	B.T.	Z—1:15—0	
..	B.T.	..	
..	B.T.	Z—1:45—0	
..	B.T.	..	
..	B.T.	Z—1:15—0	

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
..	..	..	..	B.T.	Z—1:35—0	
..	..	..	..	B.T.	..	
..	..	..	..	B.T.	..	
..	..	..	..	B.T.	..	
..	..	..	..	B.T.	..	
..	..	..	..	B.T.	..	
..	..	..	..	B.T.	..	
..	..	..	..	B.T.	..	
34.42	4.40	..	..	..	..
34.40	4.45	..	..	..	..
34.43	4.45	..	..	..	..
34.79	4.40	..	..	..	..
34.92	4.40	..	..	..	..
35.42	4.20	..	..	..	..
35.77	3.30	..	..	..	..
35.27	3.70	..	..	..	..
35.14	0.30	..	..	..	..
35.16	0.60	..	..	..	..
35.14	0.60	..	..	..	..
35.13	0.60	..	..	..	..
35.21	0.40	..	..	..	..
35.16	0.30	..	..	..	..
35.10	0.50	..	..	..	..
35.14	0.40	..	..	..	..
35.04	0.75	..	..	..	..
34.90	1.50	..	..	..	..
34.75	2.35	..	..	..	..
34.44	..	..	..	..	..
34.40	..	..	..	..	..
34.45	..	..	..	..	..
34.72	..	..	..	..	..
35.07	..	..	..	..	..
35.57	..	..	..	..	..
35.13	..	..	..	..	..
35.71	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						200	20.63
						300	13.66
						400	11.78
						500	11.02
						600	10.58
						700	10.07
						800	9.65
						1000	8.71
						1200	7.93
						1500	6.56
813	14-2-1962	0035—0130	10° 06' N	75° 34' E	850	0	27.82
						10	27.97
						20	27.96
						30	27.86
						50	27.10
						75	..
						100	26.97
						150	18.90
						200	14.38
						300	..
						400	12.25
						500	11.18
						600	10.28
						700	9.74
						800	9.21
814	14-2-1962	0240—0255	10° 07' N	75° 44' E	64	0	27.72
						10	27.71
						20	27.71
						30	27.57
						50	27.06
815	14-2-1962	0400—0410	10° 09' N	75° 54' E	38	0	27.99
						10	27.86
						20	27.84
						30	27.94
816	14-2-1962	0515—0527	10° 11' N	76° 04' E	20	0	28.32
						10	28.33
						15	28.33
817	20-2-1962	0630—0700	11° 48' N	75° 17' E	19	0	28.32
						10	28.33
						15	28.34

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.52	..	..	..	..	..
35.17	..	..	..	..	..
35.19	..	..	..	..	..
35.16	..	..	..	..	..
35.16	..	..	..	..	..
35.14	..	..	..	..	..
35.17	..	..	..	..	..
35.12	..	..	..	..	..
35.05	..	..	..	..	..
35.01	..	..	..	..	..
34.43	4.55	..	..	..	..
34.40	4.55	..	..	..	..
34.38	4.45	..	..	..	..
34.49	4.45	..	..	..	..
34.36	4.45	..	..	..	..
35.17	4.25	..	..	..	..
35.73	3.30	..	..	..	..
35.25	0.70	..	..	..	..
35.17	0.25	..	..	..	..
35.26	0.55	..	..	..	..
35.10	0.45	..	..	..	..
35.10	0.45	..	..	..	..
35.15	0.45	..	..	..	..
35.10	0.50	..	..	..	..
34.42	..	..	..	..	..
34.46	..	..	..	..	..
34.39	..	..	..	..	..
34.41	..	..	..	..	..
34.33	..	..	..	..	..
34.72	4.45	..	..	..	..
34.47	4.45	..	..	..	..
34.49	4.50	..	..	..	..
34.61	4.55	..	..	..	..
34.79	4.30	..	..	..	..
34.80	4.30	..	..	..	..
34.83	4.30	..	..	..	..
34.49	4.95	..	..	..	Z-1:13-0	
34.55	4.45	..	..	..	..
34.60	4.35	..	..	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
33.84	4.70	..	..	..	Z—1:35—0	
33.82	4.65	..	..	..	..
33.82	4.75	..	..	..	..
33.99	4.65	..	..	..	..
34.71	4.80	..	..	..	..
33.78	4.85	..	..	..	Z—1:50—0	
33.80	4.90	..	..	..	..
33.86	4.70	..	..	..	..
34.13	4.75	..	..	..	..
34.93	4.40	..	..	..	..
34.04	4.75	..	..	..	Z—1:65—0	
34.47	4.75	..	..	..	..
34.70	4.70	..	..	..	..
34.96	4.65	..	..	..	..
35.17	4.65	..	..	..	..
35.63	4.45	..	..	..	..
34.14	4.80	..	..	..	Z—1:200—0	
34.19	4.65	..	..	..	..
34.30	4.80	..	..	..	..
34.34	4.70	..	..	..	..
35.01	4.60	..	..	..	..
35.95	4.70	..	..	..	..
36.05	4.50	..	..	..	..
35.17	0.45	..	..	..	..
35.16	0.35	..	..	..	..
35.14	0.45	..	..	..	..
33.95	4.80	..	..	..	Z—1:200—0	
33.87	4.80	..	..	..	..
33.89	4.85	..	..	..	..
33.98	4.80	..	..	..	..
35.36	4.70	..	..	..	..
36.06	4.60	..	..	..	..
35.95	4.60	..	..	..	..
36.13	4.10	..	..	..	..
35.46	1.45	..	..	..	..
35.23	0.30	..	..	..	..
35.12	0.50	..	..	..	..
35.17	0.45	..	..	..	..

[illegible]

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
33.96	4.85	..	..	..	Z—1:200—0	
33.89	5.05	..	..	..	..
33.89	4.95	..	..	..	..
34.14	4.75	..	..	..	..
34.63	4.75	..	..	..	..
35.86	4.60	..	..	..	..
36.29	4.40	..	..	..	..
35.41	0.75	..	..	..	..
35.30	0.15	..	..	..	..
35.26	0.40	..	..	..	..
35.22	0.40	..	..	..	..
35.21	0.45	..	..	..	..
33.96	4.60	..	..	..	Z—1:200—0	
33.99	4.60	..	..	..	..
33.93	4.70	..	..	..	..
34.02	4.50	..	..	..	..
34.78	4.60	..	..	..	..
35.46	4.35	..	..	..	..
34.78	4.65	..	..	..	..
36.13	4.35	..	..	..	..
35.62	1.20	..	..	..	..
35.25	0.05	..	..	..	..
35.34	0.30	..	..	..	..
35.28	0.40	..	..	..	..
..	..	..	..	B.T.	Z—1:30—0	
34.43	..	..	..	..	Z—1:12—0	
34.65	..	..	..	..	..
34.86	..	..	..	..	..
33.89	..	..	..	..	..
33.82	..	..	..	..	..
33.90	..	..	..	..	..
33.82	..	..	..	..	..
34.60	..	..	..	..	..
35.07	..	..	..	..	..
..	..	..	..	B.T.	Z—1:30—0	
34.72	..	..	..	..	Z—1:12—0	
34.85	..	..	..	..	..
34.86	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
830	21-2-1962	1830—1845	11° 05' N	75° 31' E	37	..	..
831	21-2-1962	2020—2039	10° 56' N	75° 21' E	75	0 10 20 30 50 75	28.11 28.21 28.18 27.88 28.18 28.31
832	21-2-1962	2240—2300	10° 51' N	75° 40' E	40	..	..
833	22-2-1962	0010—0100	10° 48' N	75° 56' E	20	0 10 18	28.31 28.50 28.20
834	22-2-1962	0210—0230	10° 39' N	75° 45' E	40	..	..
835	22-2-1962	0355—0421	10° 29' N	75° 40' E	60	0 10 20 30 55	28.20 28.05 28.00 28.21 27.90
836	22-2-1962	0545—0600	10° 26' N	75° 52' E	37	..	..
837	22-2-1962	0735—0755	10° 26' N	76° 01' E	20	0 10 20	28.94 28.83 28.82
838	22-2-1962	0905—0915	10° 14' N	75° 55' E	38	..	..
839	22-2-1962	1150—1210	10° 04' N	75° 46' E	74	0 10 20 30 50 65	28.38 28.11 28.10 28.10 28.11 27.59
840	22-2-1962	1150—1210	10° 04' N	75° 46' E	74	..	..
841	22-2-1962	1740—1755	09° 57' N	76° 08' E	18	0 10 16	28.90 28.89 28.73

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
..	B.T.	Z—1:30—0	
34.00	Z—1:70—0	
34.00	
34.08	
34.29	
34.92	
34.95	
..	B.T.	Z—1:35—0	
34.82	Z—1:15—0	
34.81	
34.76	
..	B.T.	Z—1:35—0	
34.47	Z—1:55—0	
34.36	
34.56	
34.77	
34.82	
..	B.T.	Z—1:30—0	
34.95	Z—1:15—0	
34.97	
34.90	
..	B.T.	Z—1:30—0	
34.43	
34.47	
34.53	
34.65	
34.81	
35.04	
..	B.T.	..	
34.51	Z—1:10—0	
34.50	
34.59	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
842	22-2-1962	1910—1925	09° 50' N	76° 00' E	30	..	..
843	22-2-1962	2100—2117	09° 42' N	75° 50' E	73	0 10 20 30 50 70	28.60 28.48 28.58 28.41 28.47 28.33
844	22-2-1962	2340—2350	09° 33' N	76° 06' E	37	..	..
845	23-2-1962	0045—0106	09° 29' N	76° 19' E	18	0 10 16	28.50 28.51 28.13
846	23-2-1962	0215—0235	09° 28' N	76° 03' E	51	0 10 20 30 50	28.21 28.14 28.12 28.42 28.20
847	23-2-1962	0345—0410	09° 27' N	75° 54' E	91	0 10 20 30 50 75 88	28.17 28.19 28.47 28.49 28.42 28.13 27.72
848	23-2-1962	0520—0605	09° 26' N	75° 44' E	365	0 10 20 30 50 75 100 150 200 300 360	28.46 28.57 28.63 28.44 28.20 28.11 25.73 16.36 14.67 11.93 11.47
849	23-2-1962	0720—0900	09° 25' N	75° 34' E	1042	0 10 20	28.10 28.75 28.69

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
..	..	..	..	B.T.	Z—1:30—0	
34.33	..	..	..	..	Z—1:65—0	
34.28	..	..	..	..	..
34.45	..	..	..	..	..
34.69	..	..	..	..	..
34.60	..	..	..	..	..
34.65	..	..	..	..	..
..	..	..	..	B.T.	Z—1:30—0	
33.86	4.45	..	..	..	Z—1:10—0	
34.10	4.50	..	..	..	..
34.05	4.25	..	..	..	..
34.07	4.50	..	..	..	Z—1:46—0	
34.09	4.70	..	..	..	..
34.16	4.55	..	..	..	..
34.49	4.60	..	..	..	..
34.65	4.40	..	..	..	..
34.18	4.50	..	..	..	Z—1:86—0	
34.13	4.45	..	..	..	..
34.43	4.49	..	..	..	..
34.54	4.50	..	..	..	..
34.81	4.55	..	..	..	..
34.81	4.40	..	..	..	..
34.96	4.15	..	..	..	..
34.33	4.50	..	..	..	Z—1:200—0	
34.33	4.60	..	..	..	..
34.54	4.50	..	..	..	..
34.85	4.60	..	..	..	..
34.81	4.50	..	..	..	..
35.48	4.00	..	..	..	..
35.75	2.70	..	..	..	..
35.17	0.30	..	..	..	..
35.16	0.30	..	..	..	..
35.17	0.55	..	..	..	..
..	0.80	..	..	..	..
..	4.60	..	..	..	Z—1:200—0	
34.47	4.60	..	..	..	..
34.51	4.50	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						30	28.63
						50	28.45
						75	28.56
						100	25.07
						150	25.78
						200	14.36
						300	12.33
						400	11.02
						500	10.46
850	23-2-1962	1005—1150	09° 23' N	75° 23' E	>1500	0	28.00
						10	28.27
						20	28.33
						30	28.10
						50	28.09
						75	28.03
						100	27.12
						150	17.21
						200	15.11
						300	12.42
						400	11.33
						500	10.53
851	23-2-1962	1400—1422	09° 06' N	75° 30' E	800	..	..
852	23-2-1962	1625—1720	08° 48' N	75° 36' E	300	0	28.60
						10	28.66
						20	28.68
						30	28.68
						50	..
						75	28.66
						100	26.97
						150	17.99
						200	14.94
						295	11.76
853	23-2-1962	1830—1925	08° 52' N	75° 45' E	345	0	28.45
						10	28.62
						20	28.49
						30	28.42
						50	28.40
						75	27.39
						100	27.34
						150	18.60

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.91	4.60	..	..	..	..
34.96	4.50	..	..	..	..
35.43	4.40	..	..	..	..
35.70	2.30	..	..	..	..
34.89	..	..	..	..	..
35.19	0.30	..	..	..	..
35.30	0.35	..	..	..	..
35.16	0.50	..	..	..	..
35.21	0.45	..	..	..	..
33.60	4.55	..	..	..	Z—1:200—0	
33.91	4.45	..	..	..	..
34.15	4.50	..	..	..	..
34.45	4.45	..	..	..	..
34.77	4.40	..	..	..	..
35.18	4.05	..	..	..	..
35.79	3.30	..	..	..	..
35.23	0.10	..	..	..	..
35.10	0.30	..	..	..	..
35.16	0.30	..	..	..	..
35.21	0.45	..	..	..	..
35.26	0.40	..	..	..	..
..	..	..	..	B.T.	Z—1:200—0	
34.36	4.50	..	..	..	..
34.29	..	..	..	..	..
34.27	4.45	..	..	..	..
34.42	..	..	..	..	..
..	
34.41	4.45	..	..	..	..
36.27	3.30	..	..	..	..
35.16	0.30	..	..	..	..
35.17	0.20	..	..	..	..
35.14	..	..	..	..	..
34.17	4.40	..	..	..	Z—1:200—0	
34.13	4.45	..	..	..	..
34.38	4.55	..	..	..	..
34.65	4.45	..	..	..	..
35.40	4.50	..	..	..	..
35.48	4.30	..	..	..	..
35.81	3.00	..	..	..	..
35.21	0.20	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						200	14.49
						300	11.57
						340	11.17
854	23-2-1962	2000—2050	08° 55' N	75° 55' E	320	0	28.00
						10	28.33
						20	28.51
						30	28.28
						50	28.12
						75	..
						100	25.55
						150	17.24
						200	14.29
						300	12.53
855	23-2-1962	2205—2300	08° 59' N	76° 04' E	77	0	27.95
						10	28.16
						20	28.31
						30	28.10
						50	28.01
						75	28.71
856	24-2-1962	0010—0048	09° 02' N	76° 14' E	48	0	28.12
						10	28.18
						20	28.19
						30	28.20
						45	28.04
857	24-2-1962	0210—0233	09° 06' N	76° 22' E	21	0	28.07
						10	28.18
						20	28.17
858	24-2-1962	0335—0353	08° 59' N	76° 31' E	40	..	..
859	24-2-1962	0555—0615	08° 41' N	76° 17' E	64	0	28.70
						10	28.61
						20	28.57
						30	27.92
						50	27.71
						60	27.62
860	24-2-1962	0915—0930	08° 41' N	76° 34' E	46	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.12	0.20	..	..	..	..
35.12	0.60	..	..	..	..
35.11	..	..	..	..	..
33.68	4.60	..	..	..	Z—1:200—0	
33.75	4.45	..	..	..	..
34.22	4.50	..	..	..	..
34.43	4.45	..	..	..	..
34.70	4.35	..	..	..	..
..	
35.52	2.80	..	..	..	..
35.14	0.40	..	..	..	..
35.09	0.30	..	..	..	..
35.07	..	..	..	..	..
33.68	4.50	..	..	..	Z—1:70—0	
33.71	4.55	..	..	..	..
34.33	4.45	..	..	..	..
34.61	4.40	..	..	..	..
34.63	4.30	..	..	..	..
34.91	3.85	..	..	..	..
33.91	..	..	..	..	Z—1:40—0	
33.85	..	..	..	..	..
33.87	..	..	..	..	..
34.11	..	..	..	..	..
34.51	..	..	..	..	..
34.05	4.40	..	..	..	Z—1:15—0	
34.04	4.45	..	..	..	..
34.10	4.40	..	..	..	..
..	..	..	..	B.T.	Z—1:35—0	
34.18	..	..	..	..	Z—1:55—0	
34.14	..	..	..	..	..
34.31	..	..	..	..	..
34.46	..	..	..	..	..
34.57	..	..	..	..	..
34.43	..	..	..	..	..
..	..	..	..	B.T.	..	

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
33·68	
33·82	
..	
..	B.T.	Z—1:29—0	
..	B.T.	Z—1:45—0	
..	
..	B.T.	Z—1:45—0	
33·93	
33·92	
33·89	
33·98	
34·18	
34·92	
..	B.T.	Z—1:53—0	
33·64	Z—1:18—0	
33·91	
..	B.T.	Z—1:25—0	
33·89	Z—1:77—0	
33·91	
..	
..	
34·12	
35·32	
34·70	Z—1:200—0	
34·63	4·95	..	..	..	..
34·64	
34·70	
34·99	4·80	..	..	..	..
34·62	
35·64	2·40	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						150	16.23
						200	14.32
						300	12.11
						400	11.00
						500	10.13
						600	9.48
						700	8.80
						800	8.29
						1000	7.03
						1200	6.03
						1500	4.27
873	3-3-1962	1117—1245	07° 56' N	76° 14' E	1430	0	29.20
						10	29.09
						20	29.06
						30	28.73
						50	28.08
						75	27.47
						100	23.10
						150	17.21
						200	14.43
						300	11.96
						400	10.76
						500	10.03
						600	9.32
						700	8.79
						800	8.08
						1000	6.81
						1200	5.77
						1400	5.15
874	3-3-1962	1345—1545	08° 06' N	76° 21' E	>1250	0	29.31
						10	28.74
						20	28.69
						30	28.70
						50	28.19
						75	28.04
						100	23.32
						150	16.45
						200	14.00
						300	12.46
						400	11.08
						500	10.32
						600	9.41

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.11	..	..	..	..	..
35.07	..	..	..	..	..
35.08	0.75	..	..	..	..
35.07	..	..	..	..	..
35.05	0.70	..	..	..	..
35.10	..	..	..	..	..
35.05	0.70	..	..	..	..
35.05	..	..	..	..	..
34.97	0.90	..	..	..	..
34.87	..	..	..	..	..
34.81	1.85	..	..	..	..
34.70	5.20	..	..	..	Z—1:200—0	
34.64	..	..	..	..	..
..	
34.93	..	..	..	..	..
35.49	4.80	..	..	..	..
35.64	..	..	..	..	..
35.45	1.65	..	..	..	..
35.08	0.70	..	..	..	..
35.06	0.45	..	..	..	..
..	
35.06	..	..	..	..	..
35.18	0.65	..	..	..	..
35.10	..	..	..	..	..
35.09	0.80	..	..	..	..
35.07	..	..	..	..	..
34.97	0.95	..	..	..	..
34.98	..	..	..	..	..
..	1.60	..	..	..	..
34.54	5.30	..	..	..	Z—1:200—0	
..	
..	
34.35	5.10	..	..	..	..
34.56	..	..	..	..	..
35.48	..	..	..	..	..
35.52	1.90	..	..	..	..
35.03	0.40	..	..	..	..
35.06	0.45	..	..	..	..
35.07	..	..	..	..	..
35.04	0.55	..	..	..	..
35.07	..	..	..	..	..
35.07	0.60	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						700	8.69
						800	8.19
						1000	6.99
						1200	5.89
875	3-3-1962	1700—1806	08° 13' N	76° 29' E	1075	0	29.12
						10	28.78
						20	28.81
						30	28.61
						50	28.41
						75	27.78
						100	23.60
						150	16.13
						200	14.18
						300	12.10
						400	11.10
						500	10.58
						600	9.78
						700	9.00
						800	8.53
						1000	7.00
876	3-3-1962	2007—2035	08° 20' N	76° 35' E	115	0	28.51
						10	28.53
						20	28.58
						30	27.92
						50	27.22
						75	26.54
						100	24.35
877	3-3-1962	2140—2203	08° 26' N	76° 43' E	57	0	28.78
						10	28.48
						20	28.64
						30	27.51
						55	27.14
878	3-3-1962	2316—2340	08° 31' N	76° 49' E	27	0	28.57
						10	28.33
						20	..
						25	28.15
879	4-3-1962	0135—0144	08° 21' N	76° 48' E	53	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.05	..	..	..	..	..
34.98	0.65	..	..	..	..
34.92	..	..	..	..	..
34.87	1.25	..	..	..	..
34.33	..	..	..	..	..
34.38	5.20	..	..	..	..
34.40	..	..	..	..	..
34.53	..	..	..	..	..
34.75	5.00	..	..	..	..
35.39	4.35	..	..	..	..
35.19	2.10	..	..	..	..
34.97	..	..	..	..	..
35.01	0.40	..	..	..	..
35.07	..	..	..	..	..
35.08	0.55	..	..	..	..
35.12	..	..	..	..	..
35.17	0.60	..	..	..	..
34.98	..	..	..	..	..
35.03	0.70	..	..	..	..
34.94	1.05	..	..	..	..
34.02	..	..	..	..	Z-1:115-0	
34.04	5.10	..	..	..	..
34.20	..	..	..	..	..
34.12	..	..	..	..	..
34.03	5.00	
34.33	4.20	
35.23	2.85	
33.87	5.51	Z-1:50-0	
33.96	
33.81	5.25	
33.84	
33.98	5.05	
..	Z-1:20-0	
..	
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..	
..	Z-1:50-0	

S‰	O ₂	Wind	Sea	B T	Plankton	Remarks
..	Z-1:84-0	
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..	B.T.	..	
..	Z-1:55-0	
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..	B.T.	..	
33.69	Z-1:30-0	
33.64	
33.74	
33.70	
..	Z-1:47-0	
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..	B.T.	..	
..	Z-1:74-0	
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Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						30	27.80
						35	27.75
						40	27.60
						50	27.50
						60	27.40
						70	26.66
						76	25.70
885	4-3-1962	1358—1407	08° 12' N	76° 57' E	55	0	28.40
						5	28.00
						10	27.60
						15	27.55
						20	27.55
						30	27.55
						40	27.55
						52	27.55
886	4-3-1962	1520—1540	08° 16' N	77° 05' E	29	0	29.12
						10	28.00
						20	27.92
						28	27.92
887	4-3-1967	1648—	08° 10' N	77° 00' E	50	0	27.90
						10	27.60
						20	27.60
						30	27.60
						40	27.60
						50	27.60
888	4-3-1962	2222—2238	08° 03' N	76° 56' E	66	0	28.15
						10	28.15
						20	28.15
						24	28.00
						30	27.75
						40	27.60
						50	27.50
						60	27.30
						64	27.20
889	4-3-1962	2335—2349	08° 08' N	77° 04' E	54	0	27.60
						8	27.60
						15	27.50
						20	27.50
						30	27.50

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
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..	B.T.	..	
..	Z--1:50--0	
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..	B.T.	..	
33.75	Z--1:15--0	
33.79	
33.70	
33.75	
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..	
..	Z--1:60--0	
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..	B.T.	..	
..	Z--1:48--0	
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Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp °C.
			Lat.	Long.			
						35	27.50
						40	27.60
						52	27.60
890	5-3-1962	0039—	08° 11' N	77° 09' E	40	..	..
891	5-3-1962	0150—0157	08° 05' N	77° 06' E	52	0	27.70
						10	27.50
						20	27.50
						30	27.50
						50	27.56
892	5-3-1962	0315—0327	07° 55' N	77° 00' E	75	0	28.28
						10	28.15
						20	28.31
						30	28.44
						50	27.84
						70	26.72
893	5-3-1962	0455—0557	08° 02' N	77° 08' E	55	0	27.40
						10	27.50
						20	27.50
						30	27.50
						50	27.50
						55	27.40
894	5-3-1962	0640—0700	08° 07' N	77° 08' E	25	0	28.76
						10	28.16
						20	27.86
895	5-3-1962	1120—1155	07° 54' N	77° 15' E	49	0	28.10
						3	28.20
						5	27.70
						10	27.60
						20	27.50
						30	27.50
						40	27.50
						49	27.50
896	5-3-1962	1340—1410	07° 55' N	77° 16' E	64	0	28.10
						10	27.99
						20	27.90
						30	27.90
						50	27.89
						62	27.19

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
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..	
..	B.T.	..	
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..	Z—1:45—0	
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..	B.T.	..	
..	
34.09	Z—1:70—0	
34.04	
34.09	
34.25	
34.42	
34.70	
..	Z—1:50—0	
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..	
..	B.T.	..	
33.77	Z—1:20—0	
33.75	
33.75	
..	Z—1:40—0	
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..	B.T.	..	
33.97	Z—1:58—0	
33.87	
33.93	
33.94	
33.99	
34.42	

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
..	Z—1:45—0	
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..	
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..	B.T.	..	
33·51	Z—1:17—0	
33·44	
33·53	
33·69	Z—1:38—0	
33·68	4·80	
33·70	
33·80	4·70	
33·78	4·70	
33·77	4·90	Z—1:50—0	
33·71	..	..	..	..	..
33·73	4·80	..	..	..	..
33·78	..	..	..	..	..
33·90	5·05	..	..	..	..
33·71	4·25	..	..	..	Z—1:77—0	
33·71	..	..	..	..	..
33·71	..	..	..	..	..
33·73	4·60	..	..	..	..
33·90	..	..	..	..	..
34·94	2·85	..	..	..	..
33·77	4·50	..	..	..	Z—1:15—0	
33·77	..	..	..	..	..
33·80	4·60	..	..	..	..
33·74	..	..	..	..	..
34·37	4·60	..	..	..	..
35·08	..	..	..	..	..
34·86	0·80	..	..	..	..
34·86	0·40	..	..	..	..

Station. No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
903	6-3-1962	0240—0310	07° 13' N	77° 30' E	200	0 10 20 30 50 75 100 150	28·10 28·22 28·24 28·25 28·33 28·04 21·57 15·11
904	6-3-1962	0420—0500	07° 03' N	77° 30' E	250	0 10 20 30 50 75 100 150 200 240	28·50 28·24 28·23 28·26 28·06 28·02 22·86 15·42 13·78 13·07
905	6-3-1962	0605—0820	06° 53' N	77° 30' E	> 1500	0 10 20 30 50 75 100 150 200 300 400 500 600 700 800 1000	27·83 27·88 28·00 28·13 28·01 27·80 23·39 15·97 14·07 11·85 10·72 9·97 9·28 8·50 7·92 7·15
906	7-3-1962	1322—1326	09° 59' N	76° 08' E	18	..	..
907	7-3-1962	1538—1600	10° 01' N	75° 50' E	50	0 5 10 15 20	29·50 29·10 28·95 28·95 28·95

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.03	4.50	..	..	..	Z—1:195—0	
33.97	..	..	..	..	..
33.98	..	..	..	..	..
34.11	..	..	..	..	..
34.42	4.65	..	..	..	..
35.08	4.30	..	..	..	..
34.94	1.20	..	..	..	..
34.91	0.35	..	..	..	..
33.89	..	..	..	..	Z—1:200—0	
33.86	4.40	..	..	..	..
33.86	..	..	..	..	..
33.81	4.55	..	..	..	..
34.42	..	..	..	..	..
35.08	..	..	..	..	..
35.61	..	..	..	..	..
34.92	0.40	..	..	..	..
34.92	..	..	..	..	..
35.08	0.35	..	..	..	..
33.62	..	..	..	..	Z—1:200—0	
33.48	4.55	..	..	..	..
33.49	..	..	..	..	..
33.60	..	..	..	..	..
34.37	..	..	..	..	..
35.50	4.15	..	..	..	..
35.39	1.40	..	..	..	..
34.96	0.40	
34.96	
35.12	0.40	
35.12	
35.02	0.45	
34.97	
34.90	0.70	
34.90	
34.79	0.80	
..	Z—1:13—0	
..	Z—1:45—0	
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Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						25	28.95
						30	28.90
						35	28.90
						40	28.80
						45	28.80
						47	28.80
908	7-3-1962	1740—1750	10° 10' N	76° 04' E	..	..	..
909	7-3-1962	2210—2235	10° 14' N	75° 48' E	58	0	29.05
						5	29.05
						10	29.05
						15	29.05
						20	29.00
						25	28.90
						30	28.90
						35	28.80
						40	28.80
						45	28.80
						50	28.75
						55	28.75
910	8-3-1962	0033—0050	10° 21' N	76° 00' E	18	..	..
911	8-3-1962	0250—0312	10° 21' N	75° 45' E	51	0	28.80
						5	28.80
						10	28.80
						15	28.80
						20	28.90
						25	28.90
						30	28.85
						35	28.85
						40	28.55
						45	28.80
						50	28.90
912	8-3-1962	0500—0525	10° 31' N	75° 55' E	..	..	..
913	8-3-1962	0720—0745	10° 33' N	75° 39' E	56	0	28.60
						5	28.65
						10	28.70
						15	28.90
						20	28.95
						25	29.05

S‰	O ₂	Wind Sea	B.T.	Plankton	Remarks
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..	B.T.	..	
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..	Z—1:50—0	
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..	Z—1:13—0	
..	Z—1:45—0	
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..	Z—1:15—0	
..	B.T.	Z—1:50—0	
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Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						30	29.05
						35	28.70
						40	28.55
						45	28.80
						50	28.70
914	8-3-1962	1645—1700	10° 44' N	75° 51' E	21	..	..
915	8-3-1962	1900—1925	10° 47' N	75° 34' E	53	0	28.70
						5	28.70
						10	28.70
						15	28.60
						20	28.55
						25	28.80
						30	29.00
						35	29.15
						40	29.30
						45	29.75
						50	28.40
916	8-3-1962	2125—2145	10° 57' N	75° 48' E	18	..	..
917	9-3-1962	0300—0320	10° 57' N	75° 29' E	52	0	28.80
						5	28.80
						10	28.80
						20	28.80
						25	28.70
						30	28.60
						35	28.60
						40	28.60
						45	28.70
918	9-3-1962	0505—0610	11° 07' N	75° 43' E	22	..	..
919	21-3-1962	2250—2305	13° 36' N	74° 34' E	17	0	29.62
						10	29.52
						15	29.51
920	22-3-1962	0015—0030	13° 35' N	74° 24' E	37	0	29.10
						10	29.20
						20	29.13
						30	29.09

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
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..	Z-1:15-0	
..	B.T.	..	
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..	Z-1:13-0	
..	B.T.	Z-1:47-0	
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..	
..	Z-1:17-0	
35-26	5-00	
35-14	5-20	
35-17	5-10	
35-08	5-10	
35-16	4-90	
35-10	4-70	
35-10	4-70	

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.12	5.10	..	..	..	..
35.12	..	..	..	..	..
35.19	5.30	..	..	..	..
35.14	5.20	..	..	..	..
..	4.80	..	..	..	..
35.04	4.80	..	..	..	..
..	
35.03	4.95	..	..	..	..
35.25	4.90	..	..	..	..
35.32	4.65	..	..	..	..
35.17	4.85	..	..	..	..
35.15	..	..	..	..	..
35.10	4.75	..	..	..	..
35.22	4.70	..	..	..	..
35.50	4.80	..	..	..	..
..	
..	
..	
35.05	..	..	..	..	..
..	
35.35	4.95	..	..	..	..
35.35	4.90	..	..	..	..
35.34	4.95	..	..	..	..
35.32	4.60	..	..	..	..
35.25	4.70	..	..	..	..
..	4.65	..	..	..	..
35.39	4.95	..	..	..	..
35.37	4.90	..	..	..	..
..	
35.35	4.90	..	..	..	..
35.37	4.60	..	..	..	..
35.39	4.70	..	..	..	..
35.23	4.75	..	..	..	..
35.32	4.70	..	..	..	..
35.39	4.75	..	..	..	..
35.46	4.75	..	..	..	..
35.55	4.65	..	..	..	..
35.68	..	..	..	..	..

[illegible]

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.25	5.20	..	..	..	..
35.17	4.90	..	..	..	..
35.19	4.95	..	..	..	..
35.44	4.85	..	..	..	..
35.88	4.90	..	..	..	..
35.99	4.60	..	..	..	..
35.14	4.80	..	..	..	..
35.10	..	..	..	..	..
35.89	4.70	..	..	..	..
36.09	..	..	..	..	..
36.33	4.75	..	..	..	..
36.43	4.65	..	..	..	..
36.40	4.50	..	..	..	..
35.12	4.65	..	..	..	..
35.56	4.70	..	..	..	..
35.59	4.90	..	..	..	..
35.70	4.70	..	..	..	..
36.27	..	..	..	..	..
36.35	4.45	..	..	..	..
36.20	2.95	..	..	..	..
35.35	0.35	..	..	..	..
35.25	5.25	..	..	..	..
35.23	5.05	..	..	..	..
35.52	4.85	..	..	..	..
35.57	..	..	..	..	..
36.04	4.65	..	..	..	..
36.00	2.90	..	..	..	..
35.67	1.30	..	..	..	..
35.37	0.60	..	..	..	..
35.36	0.20	..	..	..	..
35.34	0.20	..	..	..	..
35.34	0.20	..	..	..	..
35.37	0.40	..	..	..	..
35.85	..	..	..	..	..
35.72	..	..	..	..	..
35.68	..	..	..	..	..
35.75	..	..	..	..	..
36.13	..	..	..	..	..
36.28	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						100	26.18
						150	16.55
						200	14.43
						300	12.18
						400	11.49
						500	10.86
934	27-3-1962	0803—0835	14° 47' N	74° 01' E	19	0	28.80
						10	29.02
						15	29.00
935	27-3-1962	0945—1010	14° 46' N	73° 50' E	45	0	28.78
						10	28.69
						20	28.69
						30	28.56
						40	28.33
936	27-3-1962	1120—1155	14° 42' N	73° 40' E	63	0	28.73
						10	28.66
						20	28.61
						30	28.61
						50	28.13
937	2-4-1962	1145—1205	15° 24' N	73° 42' E	20	0	29.53
						10	29.27
						18	29.20
938	2-4-1962	1325—1345	15° 21' N	73° 32' E	48	0	28.91
						10	28.98
						20	28.82
						30	28.70
						45	28.68
939	2-4-1962	1500—1523	15° 19' N	73° 21' E	68	0	28.88
						10	28.86
						20	28.68
						30	28.58
						50	28.04
940	2-4-1962	1630—1700	15° 17' N	73° 11' E	86	0	28.87
						10	29.03
						20	28.81
						30	28.58
						50	28.11
						75	26.60

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.24	..	..	..	..	..
35.34	..	..	..	..	..
35.44	..	..	..	..	..
35.35	..	..	..	..	..
35.35	..	..	..	..	..
35.39	..	..	..	..	..
35.81	4.55	..	..	..	Z-1:12-0	
35.52	4.80	..	..	..	..
35.55	4.40	..	..	..	..
35.50	4.60	..	..	..	Z-1:40-0	
35.35	5.00	..	..	..	..
35.35	4.45	..	..	..	..
35.41	4.55	..	..	..	..
35.50	4.75	..	..	..	..
35.48	4.80	..	..	..	..
35.46	5.00	..	..	..	..
35.41	4.35	..	..	..	..
35.45	..	..	..	..	..
35.88	4.70	..	..	..	..
35.64	4.50	..	..	..	..
35.67	4.70	..	..	..	..
35.71	4.55	..	..	..	..
35.43	4.70	..	..	..	Z-1:43-0	
35.26	4.90	..	..	..	..
35.44	4.40	..	..	..	..
35.44	4.45	..	..	..	..
35.44	4.25	..	..	..	..
35.35	4.90	..	..	..	Z-1:62-0	
35.34	4.95	..	..	..	..
35.42	4.75	..	..	..	..
35.71	4.80	..	..	..	..
35.91	4.20	..	..	..	..
35.43	4.65	..	..	..	Z-1:80-0	
35.43	4.90	..	..	..	..
35.37	4.60	..	..	..	..
35.30	4.75	..	..	..	..
36.03	4.80	..	..	..	..
36.13	3.50	..	..	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.36	4.45	..	..	..	Z-1:110-0	
35.32	4.95	..	..	..	..
35.70	4.90	..	..	..	..
36.04	4.40	..	..	..	..
36.15	4.30	..	..	..	..
36.18	3.95	..	..	..	..
35.97	2.40	..	..	..	..
35.49	4.75	..	..	..	Z-1:200-0	
35.43	5.10	..	..	..	..
35.77	4.75	..	..	..	..
36.09	..	..	..	..	..
36.83	4.50	..	..	..	..
36.64	3.80	..	..	..	..
35.91	..	..	..	..	..
35.42	0.35	..	..	..	..
35.35	0.35	..	..	..	..
36.09	4.60	..	..	..	Z-1:100-0	
35.99	4.50	..	..	..	..
36.10	4.65	..	..	..	..
36.16	4.75	..	..	..	..
36.22	4.50	..	..	..	..
36.17	3.85	..	..	..	..
35.68	1.05	..	..	..	..
35.52	0.55	..	..	..	..
35.39	0.35	..	..	..	..
35.34	0.40	..	..	..	..
35.33	0.30	..	..	..	..
35.37	0.25	..	..	..	..
35.39	..	..	..	..	..
35.39	..	..	..	..	..
35.36	..	..	..	..	..
35.26	..	..	..	..	..
35.57	..	..	..	..	Z-1:200-0	
35.55	..	..	..	..	..
35.52	..	..	..	..	..
35.56	..	..	..	..	..
36.26	..	..	..	..	..
36.26	..	..	..	..	..
36.26	..	..	..	..	..
35.52	..	..	..	..	..
35.41	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						300	13.05
						400	11.83
						500	11.39
						600	11.75
						700	10.01
						800	9.31
						1000	7.90
945	3-4-1962	0549—0625	15° 50' N	72° 35' E	445	0	28.70
						10	28.56
						20	28.55
						30	28.54
						50	28.11
						75	27.16
						100	25.08
						150	20.25
						200	17.43
						300	13.80
						400	12.19
						440	11.97
946	3-4-1962	0730—0750	15° 52' N	72° 47' E	112	0	28.41
						10	28.49
						20	28.43
						30	28.36
						50	27.49
						75	24.75
						100	24.59
947	3-4-1962	0900—0910	15° 55' N	72° 55' E	80	0	28.70
						10	28.35
						20	28.38
						30	28.32
						50	27.59
						75	26.72
948	3-4-1962	1020—1035	15° 57' N	73° 05' E	60	0	28.48
						10	28.41
						20	28.35
						30	28.32
						50	28.11
						55	28.11

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.39	
35.39	
35.36	
35.36	
35.35	
35.32	
35.19	
35.57	Z—1:200—0	
35.54	
35.52	
35.50	
35.90	
36.02	
35.86	
35.50	
35.37	
35.33	
35.32	
35.32	
35.53	Z—1:100—0	
35.55	
35.58	
35.63	
35.93	
35.81	
35.78	
35.59	Z—1:75—0	
35.57	
35.55	
35.53	
35.64	
35.84	
35.73	Z—1:55—0	
35.59	
35.53	
35.50	
35.48	
35.51	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
949	3-4-1962	1150—1155	16° 00' N	73° 18' E	33	0 10 20 30	28.65 28.42 28.41 28.33
950	3-4-1962	1230—1243	16° 19' N	73° 29' E	17	0 10 15	28.81 28.83 28.81
951	4-4-1962	1516—1615	14° 33' N	73° 00' E	875	0 10 20 30 50 75 100 150 200 300 400 500 600 700 800	30.08 28.58 28.56 28.36 28.03 26.96 25.50 18.73 14.80 12.90 12.20 11.58 10.96 10.52 9.14
952	4-4-1962	1725—1755	14° 35' N	74° 11' E	175	0 10 20 30 50 75 100 150	29.24 28.93 28.96 28.68 28.15 26.87 25.54 17.78
953	4-4-1962	1900—1920	14° 38' N	73° 21' E	103	0 10 20 30 50 75 100	29.55 29.08 28.99 28.99 28.26 26.83 25.03
954	4-4-1962	2035—2100	14° 41' N	73° 32' E	77	0 10	28.87 29.13

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.55	Z—1:25—0	
35.57	
35.58	
35.77	
35.73	Z—1:12—0	
35.81	
35.90	
35.14	
35.69	
35.79	
35.84	
35.99	
36.35	
36.17	
35.37	
35.31	
35.34	
35.32	
35.30	
35.28	
35.26	
35.17	
35.18	Z—1:170—0	
35.10	
35.43	
35.80	
36.04	
36.31	
36.26	
35.26	
35.34	Z—1:95—0	
35.25	
35.33	
35.36	
36.00	
36.26	
36.07	
34.88	Z—1:70—0	
34.89	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						20	29.02
						30	28.61
						50	28.08
						75	26.89
955	4-4-1962	2215—2230	14° 43' N	73° 41' N	57	0	28.80
						10	29.22
						20	29.17
						30	28.78
						50	28.56
956	4-4-1962	2340—2355	14° 45' N	73° 52' E	34	0	29.30
						10	29.49
						20	29.32
						30	29.24
957	5-4-1962	0045—0100	14° 47' N	74° 02' E	18	0	29.90
						10	29.89
						15	29.82
958	11-4-1962	1920—1945	16° 42' N	73° 15' E	21	0	29.60
						10	29.50
						20	29.20
959	11-5-1962	2130—2200	16° 42' N	73° 00' E	54	0	29.50
						10	29.51
						20	29.52
						30	29.50
						50	28.30
960	11-5-1962	2345—0015	16° 42' N	72° 44' E	64	0	29.60
						10	29.51
						20	29.52
						30	29.49
						50	27.99
						60	27.66
961	12-5-1962	0209—0235	16° 42' N	72° 28' E	75	0	29.42
						10	29.50
						20	29.51
						30	29.16
						50	28.01
						70	27.17

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.07	
35.59	
35.86	
36.06	
35.00	Z-1:60-0	
35.12	
35.28	
35.41	
35.52	
35.34	Z-1:35-0	
35.35	
35.31	
35.28	
35.52	
35.46	
35.81	
35.79	Z-1:15-0	
35.85	
35.81	
35.70	
35.71	
35.68	
35.73	
35.75	
35.81	Z-1:60-0	
35.71	
35.82	
35.71	
35.61	
35.97	
35.66	Z-1:70-0	
35.70	
35.61	
35.68	
36.04	
35.97	

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.77	Z—1:95—0	
35.71	
35.78	
35.80	
35.97	
35.97	
36.04		
35.48	Z—1:200—0	
35.50	
35.52	
35.59	
35.95	
36.08	
36.09	
35.42	
35.37	
35.44	
35.52	
35.57	
35.50	Z—1:200—0	
35.52	
35.52	
35.79	
36.13	
36.24	
36.17	
35.70	
35.70	
35.61	
35.53	
35.50	
35.44	
35.44	
35.39	
35.29	
35.12	
35.16	
..	Z—1:200—0	
..	
..	
..	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						50	27.71
						75	26.20
						100	24.43
						150	19.30
						200	16.23
						300	13.61
						400	12.31
						500	11.64
						600	11.17
						700	10.45
						800	9.72
						1000	8.45
						1200	7.09
						1400	5.94
966	12-5-1962	2015—2145	17° 24' N	71° 33' E	740	0	29.59
						10	29.65
						20	29.66
						30	29.48
						50	27.86
						75	26.34
						100	24.68
						150	19.08
						200	15.64
						300	13.35
						400	12.53
						500	11.83
						600	11.25
						700	10.53
967	12-5-1962	2330—2400	17° 23' N	71° 49' E	125	0	29.70
						10	29.65
						20	29.59
						30	29.05
						50	27.84
						75	26.14
						100	23.91
						120	22.80
968	13-5-1962	0145—0215	17° 23' N	72° 04' E	95	0	29.57
						10	29.64
						20	29.62
						30	29.27

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						50	27.85
						75	25.91
						90	25.01
969	13-5-1962	0400—0432	17° 22' N	72° 20' E	90	0	29.30
						10	29.39
						20	29.39
						30	29.29
						50	28.50
						75	27.17
970	13-5-1962	0615—0640	17° 21' N	72° 35' E	67	0	29.10
						10	29.18
						20	29.20
						30	28.58
						50	27.77
971	13-5-1962	0820—0835	17° 20' N	72° 51' E	56	0	29.47
						10	29.37
						20	29.37
						30	29.26
						50	29.00
972	13-5-1962	1015—1030	17° 20' N	73° 07' E	23	0	29.70
						10	29.37
						20	29.11
973	13-5-1962	1710—1730	18° 03' N	72° 53' E	18	0	30.29
						10	28.09
						15	28.00
974	13-5-1962	1915—1930	18° 03' N	72° 37' E	40	0	29.31
						10	29.38
						20	29.16
						30	28.09
975	13-5-1962	2120—2200	18° 03' N	72° 22' E	40	0	29.50
						10	29.50
						20	29.41
						30	29.10
976	13/14-5-1962	2345—0000	18° 03' N	72° 06' E	77	0	29.52
						10	29.59
						20	29.58

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.17	4.70	..	..	..	..
36.17	3.35	..	..	..	..
36.13	3.35	..	..	..	..
35.88	4.40	..	..	..	Z-1:85-0	
35.97	4.50	..	..	..	..
35.86	5.05	..	..	..	..
35.93	4.75	..	..	..	..
35.99	4.60	..	..	..	..
35.99	4.40	..	..	..	..
35.90	4.50	..	..	..	Z-1:60-0	
36.00	4.80	..	..	..	..
35.91	4.70	..	..	..	..
35.97	5.35	..	..	..	..
35.84	3.60	..	..	..	..
36.04	4.45	N2	..	..	Z-1:50-0	
36.10	4.45	..	..	..	..
36.08	4.75	..	..	..	..
35.89	4.50	..	..	..	..
35.84	3.60	..	..	..	..
36.08	4.35	..	..	..	Z-1:15-0	
36.09	4.60	..	..	..	..
36.00	3.50	..	..	..	..
36.26	..	..	..	..	Z-1:13-0	
36.03	..	..	..	..	..
36.06	..	..	..	..	..
36.08	..	NW4	..	..	Z-1:35-0	
36.06	..	..	..	..	..
36.06	..	..	..	..	..
35.86	..	..	..	..	..
36.00	..	NW4	4	..	Z-1:35-0	
35.91	..	..	..	..	..
35.90	..	..	..	..	..
35.95	..	..	..	..	..
35.86	..	NW4	4	..	Z-1:70-0	
35.84	..	..	..	..	..
35.88	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						30	29.60
						50	27.89
						75	26.79
977	14-5-1962	0200—0220	18° 03' N	71° 51' E	82	0	29.40
						10	29.52
						20	29.53
						30	29.49
						50	28.07
						75	26.67
978	14-5-1962	0420—0450	18° 03' N	71° 36' E	90	0	29.50
						10	29.43
						20	29.44
						30	29.51
						50	26.85
						75	26.27
979	14-5-1962	0640—0655	18° 03' N	71° 21' E	84	0	28.90
						10	28.95
						20	28.95
						30	27.86
						50	26.56
						75	26.46
980	14-5-1962	0845—0915	18° 03' N	71° 06' E	87	0	28.90
						10	28.90
						20	28.91
						30	28.79
						50	26.76
						75	25.96
981	14-5-1962	1100—1120	18° 03' N	70° 49' E	92	0	29.10
						10	29.05
						20	29.01
						30	28.99
						50	28.20
						75	25.86
						90	24.90
982	14-5-1962	1259—1530	18° 03' N	70° 38' E	>600	0	29.50
						10	29.47
						20	28.94
						30	28.78

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.15	
36.08	
36.00	
35.84	..	NW4	..	..	Z—1:75—0	
35.84	
35.81	
35.83	
36.24	
36.08	
36.04	Z—1:85—0	
35.99	
35.88	
35.99	
35.88	
35.82	
36.15	Z—1:75—0	
36.13	
36.22	
36.25	
35.91	
35.84	
36.02	..	NW4	4	..	Z—1:80—0	
36.00	
36.09	
36.16	
36.00	
35.98	
36.06	..	NW3	4	..	Z—1:87—0	
36.08	
36.06	
36.14	
36.33	
36.09	
36.08	
36.11	Z—1:200—0	
36.08	
36.13	
36.22	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						50	27.15
						75	26.13
						100	24.51
						150	19.96
						200	15.88
						300	13.81
						400	12.81
						500	12.04
						600	
983	14-5-1962	2120—2205	18° 42' N	70° 06' E	580	0	29.11
						10	29.28
						20	29.18
						30	28.39
						50	26.05
						75	24.61
						100	23.79
						150	20.46
						200	16.27
						300	15.22
						400	14.16
						500	12.56
984	14-5-1962	2345—2400	18° 42' N	70° 22' E	90	0	28.82
						10	29.11
						20	29.07
						30	28.18
						50	26.45
						75	25.18
985	15-5-1962	0150—0220	18° 42' N	70° 37' E	88	0	28.87
						10	28.98
						20	28.99
						30	28.40
						50	27.52
						75	25.10
986	15-5-1962	0405—0430	18° 42' N	70° 52' E	84	0	28.70
						10	28.97
						20	28.96
						30	28.98
						50	27.68
						75	26.35

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.30	..	..	..	..	..
36.26	..	..	..	..	..
36.13	..	..	..	..	..
35.65	..	..	..	..	..
35.61	..	..	..	..	..
35.60	..	..	..	..	..
35.59	..	..	..	..	..
35.53	..	..	..	..	..
35.55	..	..	..	..	..
36.29	3.95	NW4	4	..	Z—1:200—0	
36.29	4.35	..	..	..	..
36.42	4.15	..	..	..	..
36.38	4.50	..	..	..	..
36.22	4.80	..	..	..	..
36.15	3.65	..	..	..	..
36.06	2.95	..	..	..	..
35.73	..	..	..	..	..
35.64	0.10	..	..	..	..
35.62	0.45	..	..	..	..
35.59	0.30	..	..	..	..
35.56	0.20	..	..	..	..
36.21	4.55	NW4	4	..	Z—1:85—0	
36.11	4.45	..	..	..	..
36.09	5.00	..	..	..	..
36.15	4.60	..	..	..	..
36.20	4.30	..	..	..	..
36.38	4.15	..	..	..	..
36.09	4.75	..	..	..	Z—1:80—0	
36.08	4.55	..	..	..	..
36.09	4.85	..	..	..	..
36.09	4.55	..	..	..	..
36.10	4.70	..	..	..	..
36.17	3.65	..	..	..	..
36.15	4.80	..	..	..	Z—1:77—0	
36.01	4.80	..	..	..	..
35.99	4.70	..	..	..	..
36.04	4.55	..	..	..	..
36.09	4.50	..	..	..	..
36.10	3.30	..	..	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.91	Z—1:75—0	
35.91	
35.88	
35.91	
35.97	
36.00	
36.00	Z—1:75—0	
36.02	
36.03	
35.98	
35.99	
35.91	
36.04	..	NW3	4	..	Z—1:70—0	
36.02	
36.08	
36.10	
36.08	
36.02	
36.18	Z—1:65—0	
36.20	
36.09	
36.13	
35.95	
36.06	Z—1:55—0	
36.05	
36.05	
36.08	
35.90	
36.02	Z—1:40—0	
35.91	
35.95	
36.00	
36.00	
36.11	Z—1:12—0	
36.18	
36.67	Z—1:12—0	
36.75	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
995	20-5-1962	0905—0920	19° 58' N	72° 20' E	27	0 10 20	29.50 29.37 28.41
996	20-5-1962	1105—1115	19° 58' N	72° 03' E	30	0 10 20	29.40 28.89 27.48
997	20-5-1962	1310—1320	19° 58' N	71° 47' E	31	0 10 20 30	28.70 28.10 26.97 26.92
998	22-5-1962	1514—1523	19° 58' N	71° 32' E	34	0 10 20 30	28.48 27.87 26.76 26.77
999	20-5-1962	1713—1730	19° 58' N	71° 17' E	40	0 10 20 30	28.34 27.74 27.38 26.66
1000	20-5-1962	1915—1930	19° 58' N	71° 02' E	70	0 10 20 30 50	28.50 28.32 28.14 27.80 25.96
1001	20-5-1962	2115—2130	19° 58' N	70° 47' E	74	0 10 20 30 50	28.30 28.61 28.28 28.10 25.55
1002	21-5-1962	0245—0259	19° 58' N	70° 30' E	80	0 10 20 30 50 75	28.58 28.56 28.38 27.86 25.11 25.09
1003	21-5-1962	0458—0525	19° 58' N	70° 15' E	92	0 10	28.60 28.60

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.62	Z—1:20—0	
35.73	
35.82	
35.53	Z—1:25—0	
35.46	
35.77	
35.68	Z—1:26—0	
35.62	
35.86	
35.88	
35.91	Z—1:28—0	
35.90	
35.91	
35.84	
36.00	Z—1:35—0	
35.99	
35.97	
35.91	
35.93	Z—1:65—0	
35.93	
35.95	
35.95	
35.83	
36.02	Z—1:66—0	
35.97	
35.95	
35.93	
35.94	
35.97	Z—1:75—0	
36.08	
36.06	
36.13	
36.00	
35.95	
36.12	Z—1:88—0	
36.13	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						20	28.60
						30	28.29
						50	26.03
						75	25.01
1004	21-5-1962	0710—0730	19° 58' N	70° 00' E	96	0	28.90
						10	29.01
						20	28.98
						30	29.00
						50	27.58
						75	25.61
1005	21-5-1962	0920—0935	19° 58' N	19° 45' E	86	0	29.60
						10	29.00
						20	28.96
						30	28.38
						50	26.27
						75	25.48
1006	21-5-1962	1120—1200	19° 58' N	69° 29' E	210	0	29.10
						10	29.08
						20	28.91
						30	28.91
						50	28.11
						75	25.22
						100	23.43
						150	19.50
						200	15.20
1007	21-5-1962	2120—2140	20° 10' N	69° 41' E	84	0	29.20
						10	29.07
						20	28.96
						30	28.49
						50	26.06
						75	23.72
1008	21-5-1962	2325—2340	20° 20' N	69° 53' E	68	0	29.15
						10	29.01
						20	28.89
						30	28.53
						50	25.34
1009	22-5-1962	0130—0150	20° 31' N	70° 04' E	77	0	29.13
						10	29.07

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.08	
36.09	
36.02	
35.97	
36.20	Z-1:90-0	
36.21	
36.20	
36.27	
36.20	
36.17	
36.27	Z-1:80-0	
36.22	
36.20	
36.12	
36.00	
36.17	
36.20	Z-1:200-0	
36.13	
36.22	
36.20	
36.40	
36.24	
36.29	
35.81	
35.68	
36.29	Z-1:77-0	
36.31	
36.33	
36.30	
36.26	
36.24	
36.73	Z-1:60-0	
36.33	
36.42	
36.35	
36.15	
36.35	Z-1:70-0	
36.40	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						20	28.85
						30	28.19
						05	25.32
						75	24.15
1010	22-5-1962	0335—0400	20° 41' N	70° 15' E	67	0	28.59
						10	28.48
						20	27.37
						30	26.75
						50	24.54
1011	22-5-1962	0615—0635	20° 49' N	70° 23' E	25	0	27.10
						10	26.47
						20	25.04
1012	22-5-1962	1700—1740	19° 15' N	69° 40' E	350	0	29.20
						10	29.20
						20	29.09
						30	26.44
						50	26.28
						75	24.37
						100	23.30
						150	19.37
						200	16.03
						300	13.89
1013	22-5-1962	2130—2220	19° 16' N	69° 55' E	96	0	29.38
						10	29.37
						20	29.10
						30	29.10
						50	28.40
						75	25.47
1014	23-5-1962	0010—0036	19° 16' N	70° 10' E	84	0	29.71
						10	29.22
						20	29.21
						30	29.01
						50	27.13
						75	24.11
1015	23-5-1962	0230—0249	19° 16' N	70° 26' E	70	0	29.00
						10	29.08

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.36	
36.26	
36.20	
36.02	
36.27	Z-1:55-0	
36.18	
36.24	
36.27	
35.93	
35.96	Z-1:20-0	
35.99	
35.99	
36.26	
36.29	
36.27	
36.06	
36.29	
36.26	
36.24	
35.79	
35.70	
35.70	
36.26	Z-1:90-0	
36.24	
36.26	
35.97	
36.32	
36.18	
36.27	Z-1:80-0	
36.25	
36.29	
36.24	
36.13	
36.09	
36.00	Z-1:65-0	
36.09	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						20	29.08
						30	28.61
						50	26.65
1016	23-5-1962	0617—0640	19° 16' N	70° 41' E	84	0	29.00
						10	29.02
						20	28.81
						30	27.78
						50	25.66
						75	25.58
1017	23-5-1962	0830—0845	19° 16' N	70° 57' E	76	0	28.10
						10	28.92
						20	28.67
						30	28.12
						50	25.79
1018	23-5-1962	1035—1055	19° 16' N	71° 13' E	74	0	29.00
						10	28.77
						20	28.40
						30	27.44
						50	25.68
1019	23-5-1962	1235—1255	19° 16' N	71° 29' E	70	0	29.50
						10	29.18
						20	29.10
						30	28.02
						50	25.76
1020	23-5-1962	1444—1500	19° 16' N	71° 45' E	60	0	29.62
						10	29.25
						20	28.92
						30	28.19
						50	26.07
1021	23-5-1962	1647—1710	19° 16' N	72° 01' E	36	0	29.68
						10	29.08
						20	28.66
						30	26.65
1022	23-5-1962	2020—2030	19° 16' N	72° 16' E	22	0	29.70
						10	28.81
						20	28.27

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.02	
36.08	
36.06	
36.07	Z-1:78-0	
36.00	
35.92	
36.06	
36.00	
35.99	
36.09	Z-1:70-0	
36.08	
36.00	
36.05	
35.99	
36.00	Z-1:70-0	
36.00	
35.85	
35.94	
35.97	
35.97	Z-1:65-0	
35.99	
35.97	
35.91	
35.04	
35.93	Z-1:55-0	
35.81	
35.83	
35.95	
36.00	
35.83	Z-1:30-0	
35.79	
35.77	
35.93	
35.73	Z-1:15-0	
35.87	
35.99	

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.11	..	..	..	..	Z—1:10—0	
36.13	..	..	..	..	..
34.97	6.25	SW4	2	..	..
35.02	6.70	..	..	..	..
35.04	4.80	..	..	..	..
34.69	4.55	..	3	..	..
34.76	4.55	SW5	..	..	..
34.65	3.00	..	..	..	..
34.76	4.60	SW4	4	..	Z—1:48—0	
34.69	4.55	..	..	..	..
34.72	2.75	..	..	..	..
34.89	2.00	..	..	..	..
35.01	1.85	..	..	..	..
34.83	4.80	..	..	..	..
34.96	5.75	..	..	..	..
34.83	2.70	..	..	..	..
34.94	1.85	..	..	..	..
34.97	1.50	..	..	..	..
34.96	0.95	..	..	..	..
35.01	5.05	..	..	..	..
34.99	5.10	..	..	..	..
34.99	4.45	..	..	..	..
35.03	3.25	..	..	..	..
35.10	1.50	..	..	..	..
35.10	1.25	..	..	..	..
35.10	0.55	..	..	..	..
35.03	4.55	SW5	3	..	Z—1:200—0	
34.95	4.60	..	..	..	..
34.96	4.75	..	..	..	..
35.14	4.60	..	..	..	..
34.94	1.45	..	..	..	..
34.97	0.80	..	..	..	..
35.01	0.50	..	..	..	..
34.93	0.45	..	..	..	..
34.99	0.45	..	..	..	..
35.01	4.20	..	..	..	Z—1:200—0	
34.96	4.40	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						20	28.30
						30	28.19
						50	24.72
						75	21.66
						100	18.92
						200	15.30
						300	13.58
						250	12.84
						300	11.95
						400	11.13
1031	13-6-1962	0215-0410	06° 53' N	77° 30' E	1815	0	28.50
						10	28.57
						20	28.40
						30	27.79
						50	27.39
						75	27.37
						100	24.02
						150	18.52
						200	14.51
						250	13.19
						300	12.09
						400	11.03
						500	10.42
						600	9.74
						800	8.21
						1000	6.83
						1200	5.76
						1500	4.26
						1800	3.06
1032	13-6-1962	1100-1315	07° 18' N	74° 41' E	1650	0	28.39
						10	28.49
						20	28.08
						30	27.75
						50	26.26
						75	23.00
						100	21.80
						150	15.34
						200	13.80
						250	12.87
						300	11.77
						400	10.57
						500	10.10

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.97	4.35	..	..	..	..
34.97	4.40	..	..	..	..
34.92	2.35	..	..	..	..
35.01	1.05	..	..	..	..
35.15	0.45	..	..	..	..
34.97	0.45	..	..	..	..
35.03	0.45	..	..	..	..
35.09	0.75	..	..	..	..
35.10	0.90	..	..	..	..
35.08	0.80	..	..	..	..
34.94	4.45	SW4	4	..	Z-1:200-0	
34.92	4.45	..	..	..	..
34.92	4.45	..	..	..	..
34.90	..	..	..	..	..
34.88	3.80	..	..	..	..
34.85	3.00	..	..	..	..
35.10	1.50	..	..	..	..
34.99	0.45	..	..	..	..
35.06	0.30	..	..	..	..
35.07	0.75	..	..	..	..
35.01	0.85	..	..	..	..
35.07	..	..	..	..	..
35.06	1.20	..	..	..	..
35.04	..	..	..	..	..
34.94	0.65	..	..	..	..
34.90	0.90	..	..	..	..
34.81	..	..	..	..	..
34.76	..	..	..	..	..
34.65	2.45	..	..	..	..
34.29	4.50	NW4	..	..	Z-1:200-0	
34.43	4.55	..	..	..	..
34.36	4.55	..	..	..	..
34.34	4.55	..	..	..	..
34.98	3.20	..	..	..	..
34.94	1.55	..	..	..	..
34.90	..	..	..	..	..
34.82	0.45	..	..	..	..
35.03	1.30	..	..	..	..
35.10	0.95	..	..	..	..
35.08	1.30	..	..	..	..
34.99	1.00	..	..	..	..
34.99	0.75	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						600	9.74
						800	8.31
						1000	..
						1200	..
						1500	..
1033	13-6-1962	1440—1540	07° 23' N	76° 39' E	360	0	28.60
						10	28.58
						20	28.07
						30	27.40
						50	25.73
						75	22.54
						100	20.05
						150	15.93
						200	13.23
						250	12.66
						300	12.25
1034	13-6-1962	1648—1720	07° 31' N	76° 57' E	106	0	29.10
						10	29.90
						20	28.88
						30	28.65
						50	23.19
						75	21.47
						100	15.90
1035	13-6-1962	1940—2000	07° 37' N	77° 03' E	88	0	28.70
						10	28.88
						20	28.35
						30	24.40
						50	21.45
						80	19.45
1036	13-6-1962	2115—2135	07° 44' N	77° 10' E	64	0	27.93
						10	27.89
						20	26.96
						30	24.50
						50	22.13
						60	21.63
1037	13-6-1962	2245—2315	08° 00' N	77° 16' E	56	0	26.82
						10	26.75
						20	25.83
						30	23.86
						50	23.82

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.95	0.65	..	..	..	..
34.97	0.65	..	..	..	..
..	0.65	..	..	..	..
..	0.70	..	..	..	..
..	1.25	..	..	..	..
34.36	4.60	..	..	..	Z—1:200—0	
34.36	4.55	..	..	..	..
34.64	4.45	..	..	..	..
34.77	4.45	..	..	..	..
34.92	2.90	..	..	..	..
34.94	1.35	..	..	..	..
34.96	0.65	..	..	..	..
34.90	0.40	..	..	..	..
34.87	0.45	..	..	..	..
34.90	0.50	..	..	..	..
34.89	0.50	..	..	..	..
34.83	4.50	..	..	..	Z—1:100—0	
34.83	4.50	..	..	..	..
34.85	4.50	..	..	..	..
34.92	4.25	..	..	..	..
34.83	1.60	..	..	..	..
35.10	1.00	..	..	..	..
35.10	0.60	..	..	..	..
34.96	4.55	..	..	..	Z—1:80—0	
34.97	4.50	..	..	..	..
34.96	4.55	..	..	..	..
34.98	2.05	..	..	..	..
34.83	1.00	..	..	..	..
34.92	0.70	..	..	..	..
35.14	4.60	..	..	..	..
35.05	4.50	..	..	..	..
35.05	4.20	..	..	..	..
34.96	2.45	..	..	..	..
34.92	1.05	..	..	..	..
34.87	0.95	..	..	..	..
34.99	5.10	..	..	..	Z—1:50—0	
34.97	5.05	..	..	..	..
34.94	3.85	..	..	..	..
34.83	1.80	..	..	..	..
34.90	1.05	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1038	14-6-1962	0030—0050	08° 00' N	77° 18' E	46	0	26.40
						10	26.03
						20	24.74
						30	24.22
						43	24.06
1039	14-6-1962	0825—0845	08° 32' N	76° 49' E	34	0	26.95
						10	25.93
						20	24.15
						30	23.87
1040	14-6-1962	1000—1025	08° 25' N	76° 42' E	62	0	28.15
						10	28.14
						20	27.88
						30	25.85
						50	22.05
1041	14-6-1962	1440—1515	08° 19' N	76° 35' E	160	0	28.90
						10	29.00
						20	28.12
						30	25.66
						50	21.79
						75	21.22
						100	20.04
1042	14-6-1962	1625—1800	08° 12' N	76° 28' E	820	150	16.40
						0	28.94
						10	29.06
						20	29.08
						30	27.50
						50	24.76
						75	23.90
						100	23.45
						150	15.81
						200	14.16
						250	12.98
						300	12.14
						400	11.31
1043	14-6-1962	1915—2030	08° 05' N	76° 21' E	1150	500	10.55
						600	9.72
						800	8.43
						0	29.00
						10	29.08

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.96	4.65	NW	..	..	Z—1:40—0	
34.92	4.30	..	..	..	..
34.92	2.20	..	..	..	..
34.94	1.85	..	..	..	..
34.96	1.60	..	..	..	..
34.88	5.20	..	..	..	Z—1:28—0	
34.92	3.40	..	..	..	..
34.92	1.80	..	..	..	..
34.89	1.85	..	..	..	..
34.69	4.55	..	..	..	..
34.96	4.50	..	..	..	..
35.32	4.30	..	..	..	..
35.34	2.80	..	..	..	..
34.83	..	..	..	..	..
34.94	..	..	..	..	Z—1:155—0	
34.94	..	..	..	..	..
35.25	..	..	..	..	..
35.14	..	..	..	..	..
34.87	..	..	..	..	..
34.83	..	..	..	..	..
34.95	..	..	..	..	..
34.92	..	..	..	..	..
34.88	..	..	..	..	Z—1:200—0	
34.94	..	..	..	..	..
34.90	..	..	..	..	..
35.63	..	..	..	..	..
35.08	..	..	..	..	..
35.03	..	..	..	..	..
35.01	..	..	..	..	..
34.92	..	..	..	..	..
35.01	..	..	..	..	..
35.01	..	..	..	..	..
35.07	..	..	..	..	..
35.08	..	..	..	..	..
35.05	..	..	..	..	..
35.01	..	..	..	..	..
34.98	..	..	..	..	..
34.94	..	..	..	..	Z—1:200—0	
34.96	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						20	29.01
						30	28.97
						50	23.46
						75	20.88
						100	19.86
						150	15.25
						200	13.84
						250	13.07
						300	12.27
						400	10.96
						500	10.24
						600	9.65
						800	8.20
						1000	6.80
1044	14-6-1962	2145—2340	07° 59' N	76° 15' E	1350	0	28.80
						10	28.95
						20	28.92
						30	28.92
						50	24.32
						75	21.54
						100	19.96
						150	15.60
						200	14.06
						250	13.07
						300	12.00
						400	10.83
						500	10.20
						600	9.59
1045	15-6-1962	0100—0400	07° 52' N	75° 15' E	1510	0	28.60
						10	28.77
						20	28.79
						30	28.83
						50	24.50
						75	21.17
						100	18.82
						150	15.10
						200	14.10
						250	12.74
						400	11.98
						400	10.89
						500	10.33
						600	9.53

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.97	
34.96	
35.34	
34.98	
34.96	
34.91	
35.06	
35.01	
34.99	
34.98	
34.99	
35.07	
34.92	
34.88	
34.87	Z—1:200—0	
34.87	
34.81	
34.81	
35.16	
35.12	
35.01	
34.87	
34.96	
35.03	
35.03	
35.12	
35.03	
35.03	
34.70	Z—1:200—0	
34.70	
34.72	
34.78	
35.17	
34.99	
34.94	
34.91	
34.91	
34.97	
35.10	
35.07	
35.03	
35.03	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						800	8.24
						1000	7.14
						1200	6.01
						1500	4.40
1046	15-6-1962	0845—1100	08° 24' N	75° 49' E	1180	0	29.00
						10	29.08
						20	29.07
						30	29.04
						50	26.85
						75	22.11
						100	18.44
						150	15.77
						200	14.04
						250	13.03
						300	11.94
						400	11.17
						500	10.28
						600	9.71
						800	8.25
						1000	6.75
						1100	6.50
1047	15-6-1962	1215—1330	08° 30' N	75° 57' E	900	0	29.35
						10	29.05
						20	29.02
						30	28.80
						50	24.29
						75	21.05
						100	19.20
						150	16.14
						200	14.78
						250	12.94
						300	12.12
						400	11.01
						500	10.40
						600	9.56
						800	7.99
1048	15-6-1962	1436—1519	08° 34' N	76° 06' E	410	0	29.35
						10	29.07
						20	29.00
						30	28.09
						50	23.76

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.96	
34.91	
35.86	
34.78	
35.10	Z-1:200-0	
35.14	..	SW	3	..	..
35.10	..	3-4	..	..	..
35.25	
35.52	
35.16	
34.92	
34.87	
34.95	
35.05	
34.97	
35.08	
35.08	
35.09	
34.97	
34.85	
35.05	
35.16	Z-1:200-0	
35.14	
35.14	
35.46	
35.23	
34.97	
35.05	
34.94	
35.06	
35.07	
35.05	
35.08	
35.14	
35.13	
34.90	
35.21	Z-1:200-0	
35.14	
35.11	
35.56	
35.12	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						75	20.89
						100	19.63
1049	15-6-1962	1630—1700	08° 40' N	76° 14' E	52	0	29.40
						10	29.01
						20	28.94
						30	27.32
						50	21.95
1050	15-6-1962	1803—1820	08° 45' N	76° 22' E	46	0	28.40
						10	28.13
						20	25.94
						30	24.04
						40	22.45
1051	15-6-1962	1925—1935	08° 50' N	76° 30' E	24	0	28.20
						10	26.89
						20	24.25
1052	21-6-1962	1630—1645	09° 07' N	76° 25' E	18	0	27.28
						8	26.03
						14	25.28
1053	21-6-1962	1805—1825	09° 04' N	76° 14' E	50	0	28.72
						10	28.12
						20	26.98
						30	24.46
						45	22.88
1054	21-6-1962	2021—2045	08° 59' N	76° 04' E	65	0	29.08
						10	29.00
						20	28.85
						30	28.09
						50	22.71
1055	21-6-1962	2200—2234	08° 56' N	75° 54' E	295	0	28.90
						10	29.06
						20	28.80
						30	27.35
						50	22.76
						75	20.71
						100	19.31
						150	16.00
						200	14.21
						250	13.38

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.94	
34.99	
34.97	Z-1:60-0	
34.10	
35.16	
35.60	
34.96	
34.56	Z-1:42-0	
35.34	
34.46	
35.14	
34.88	
35.54	
34.87	
34.96	
34.88	Z-1:12-0	
34.97	
34.99	
34.58	Z-1:45-0	
35.43	
35.64	
35.01	
35.10	
35.28	Z-1:58-0	
35.23	
35.21	
35.60	
34.99	
35.35	Z-1:200-0	
35.30	
35.28	
35.55	
35.16	
35.01	
35.01	
34.96	
35.01	
35.01	

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.31	Z—1:200—0	
35.28	
35.21	
35.35	
35.14	
34.97	
34.97	
34.85	
35.01	
35.12	
35.32	Z—1:200—0	
35.28	
35.26	
35.34	
35.14	
35.10	
34.97	
34.90	
34.92	
35.08	
35.37	
35.37	
35.35	
36.09	
35.41	
35.16	
35.03	
35.01	
35.05	
35.17	
35.17	
35.21	
35.19	
35.17	
35.10	
35.55	Z—1:200—0	
35.57	
35.52	
36.06	
35.64	
35.26	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						100	18.38
						150	15.71
						200	14.17
						300	12.30
						400	11.23
						500	10.54
						600	9.95
						700	9.30
						800	8.60
						1000	6.92
1060	22-6-1962	1100—1145	09° 25' N	75° 33' E	720	0	29.15
						10	29.07
						20	28.99
						30	28.08
						50	25.37
						75	21.23
						100	18.34
						150	15.97
						200	14.32
						300	12.09
						400	11.25
						500	10.63
						600	10.17
1061	22-6-1962	1250—1330	09° 26' N	75° 45' E	260	0	28.30
						10	29.10
						20	28.49
						30	25.12
						50	21.16
						76	20.47
						100	18.12
						150	16.26
						200	14.85
1062	22-6-1962	1448—1510	09° 27' N	75° 55' E	82	0	28.95
						10	29.11
						20	27.53
						30	25.55
						50	22.17
						75	21.65
1063	22-6-1962	1625—1650	09° 27' N	76° 05' E	48	0	29.67
						10	28.61

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.14	
34.93	
35.13	
35.28	
35.19	
35.25	
35.30	
35.34	
35.12	
35.10	
35.61	Z—1:200—0	
35.46	
35.46	
36.10	
35.70	
35.26	
34.97	
34.97	
35.10	
35.18	
35.16	
35.17	
35.23	
35.50	Z—1:200—0	
35.37	
35.64	
35.52	
35.06	
34.96	
34.87	
34.88	
34.96	
35.34	Z—1:75—0	
35.37	
35.65	
35.51	
35.02	
34.97	
35.00	Z—1:40—0	
35.03	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						20	27.20
						30	24.75
						45	23.18
1064	22-6-1962	1800—1815	09° 28' N	75° 18' E	17	0	28.28
						10	26.60
1065	23-6-1962	1150—1200	09° 57' N	76° 08' E	17	0	28.30
						10	25.60
1066	23-6-1962	1324—1359	09° 54' N	75° 58' E	35	0	28.78
						10	28.28
						20	26.50
						30	23.77
1067	23-6-1962	1502—1516	09° 52' N	75° 47' E	60	0	29.28
						10	29.10
						20	25.88
						30	23.81
						50	22.22
1068	23-6-1962	1630—1655	09° 50' N	75° 38' E	104	0	29.16
						10	29.00
						20	28.94
						30	27.83
						50	25.50
						75	24.02
						100	21.26
1069	23-6-1962	1805—1935	09° 46' N	75° 28' E	1300	0	29.10
						10	62.19
						20	29.00
						30	28.99
						50	26.46
						400	11.35
						500	10.85
						600	9.90
						700	9.60
						800	8.43
						1000	8.02
						1200	7.15

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.37	
35.26	
35.10	
34.40	Z—1:12—0	
34.83	
33.35	Z—1:12—0	
35.07	
34.58	Z—1:30—0	
35.35	
35.39	
35.08	
35.31	Z—1:55—0	
35.35	
35.57	
35.30	
35.03	
35.48	Z—1:100—0	
35.41	
35.44	
35.91	
35.93	
35.31	
35.07	
35.61	Z—1:200—0	
35.55	
35.52	
35.52	
35.97	
35.17	
35.23	
35.27	
35.25	
35.10	
35.01	
35.07	

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.52	Z-1:200-0	
35.38	
35.48	
35.53	
36.06	
35.10	
35.09	
35.03	
35.07	
35.20	
35.21	
35.18	
35.25	
35.28	
35.08	
35.02	
34.98	
34.88	
34.85	
35.28	Z-1:200-0	
35.44	
35.57	
35.91	
36.15	
35.48	
35.21	
35.16	
35.17	
35.16	
..	
35.14	
35.25	
35.30	
35.19	
35.73	Z-1:200-0	
35.70	
35.75	
35.88	
35.97	
36.04	
35.21	
35.01	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						200	15.10
						300	12.43
						400	11.01
						500	10.52
						600	9.99
						700	9.28
1073	24-6-1962	0803—0930	10° 13' N	75° 21' E	1400	0	28.91
						10	29.02
						20	29.04
						30	28.07
						50	25.24
						75	20.68
						100	18.53
						150	16.57
						200	14.53
						300	12.13
						400	11.09
						500	10.96
						600	70.06
						700	9.64
						800	8.80
						1000	7.05
						1200	5.92
1074	24-6-1962	1040—1130	10° 15' N	75° 33' E	730	0	28.60
						10	28.80
						20	28.37
						30	27.18
						50	22.13
						75	20.99
						100	18.93
						150	16.16
						200	14.30
						300	12.06
						400	11.28
						500	10.39
						600	9.81
1075	24-6-1962	1230—1241	10° 17' N	75° 41' E	59	0	29.40
						10	29.09
						20	28.23
						30	24.37
						50	22.71

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.12	
35.23	
35.25	
35.25	
35.26	
35.23	
35.50	Z-1:200-0	
35.62	
35.59	
36.08	
35.90	
35.26	
35.08	
35.10	
35.25	
35.19	
35.28	
35.28	
35.28	
35.28	
35.19	
35.14	
35.01	
35.34	Z-1:200-0	
35.43	
35.95	
36.09	
35.10	
35.08	
35.05	
35.07	
35.12	
35.30	
35.28	
35.23	
35.28	
35.35	Z-1:52-0	
35.43	
35.81	
35.57	
35.16	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1076	24-6-1962	1354—1403	10° 21' N	75° 51' E	30	0 10 20	29.10 28.54 25.45
1077	24-6-1962	1502—1509	10° 22' N	76° 01' E	18	0 10	28.90 28.47
Stations 1078—1083 have been repeated with Station numbers 1084—1089							
1084	16-7-1962	0030—0130	10° 48' N	75° 46' E	22	0 10 20	25.25 24.01 22.62
1085	16-7-1962	0245—0340	10° 45' N	75° 37' E	42	0 10 20 30	25.35 25.65 24.16 22.39
1086	16-7-1962	0420—0520	10° 43' N	75° 27' E	66	0 10 20 30 50	25.80 26.68 26.24 23.55 21.83
1087	16-7-1962	0710—0800	10° 41' N	75° 17' E	620	0 10 20 30 50 75 100 150 200 300 400 500 600	26.30 28.81 27.03 27.06 27.03 26.62 17.43 16.00 14.39 12.06 11.06 10.45 10.01
1088	16-7-1962	1015—1120	10° 38' N	75° 07' E	450	0 10 20 30 50	29.90 27.10 27.10 27.13 24.86

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.36	Z—1:95—0	
34.81	
35.34	
34.61	Z—1:10—0	
34.63		
29.88	Z—1:15—0	
35.16	
35.05	
28.60	..	SSW 11.5	..	..	Z—1:35—0	
35.23	
35.35	
35.14	
28.87	Z—1:60—0	
34.54	
35.44	
35.34	
35.16	
31.58	Z—1:200—0	
34.92	
35.34	
35.32	
35.41	
35.01	
34.97	
35.07	
35.13	
35.26	
35.32	
35.26	
35.21	
35.03	Z—1:200—0	
35.41	
35.43	
35.46	
35.59	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						75	21.07
						100	17.94
						150	15.29
						200	13.87
						300	12.10
						400	11.29
1089	16-7-1962	1245—1340	10° 36' N	74° 59' E	1825	0	29.00
						10	27.20
						20	27.20
						30	27.23
						50	25.86
						75	21.99
						100	18.43
						150	15.70
						200	13.72
						300	12.16
						500	10.64
1090	16-7-1962	1820—1930	11° 04' N	74° 41' E	1640	0	27.70
						10	27.80
						20	27.79
						30	27.83
						50	26.43
						75	21.31
						100	18.37
						150	15.49
1091	16-7-1962	2030—2110	11° 04' N	74° 49' E	1320	0	27.20
						10	27.45
						20	27.44
						30	27.52
						50	24.66
						75	20.57
						100	18.17
						150	15.60
						200	14.19
						300	12.36
						400	..
						500	..
1092	16-7-1962	2230—2340	11° 04' N	74° 59' E	650	0	26.60
						10	27.10
						20	27.24

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.25	..	..	..	..	..
35.01	..	..	..	..	..
35.05	..	..	..	..	..
35.16	..	..	..	..	..
35.35	..	..	..	..	..
35.19	..	..	..	..	..
35.59	..	..	..	..	Z—1:200—0	
35.50	..	..	..	..	..
35.50	..	..	..	..	..
35.48	..	..	..	..	..
35.75	..	..	..	..	..
35.19	..	..	..	..	..
35.08	..	..	..	..	..
35.08	..	..	..	..	..
35.08	..	..	..	..	..
35.25	..	..	..	..	..
35.23	..	..	..	..	..
35.64	..	..	..	..	Z—1:200—0	
35.63	..	..	..	..	..
35.63	..	..	..	..	..
35.71	..	..	..	..	..
35.81	..	..	..	..	..
35.46	..	..	..	..	..
35.17	..	..	..	..	..
35.05	..	..	..	..	..
35.48	4.50	..	..	..	Z—1:200—0	
35.57	4.40	..	..	..	..
35.53	4.35	..	..	..	..
35.52	4.00	..	..	..	..
35.64	2.00	..	..	..	..
35.16	0.75	..	..	..	..
35.17	0.50	..	..	..	..
35.01	0.55	..	..	..	..
35.17	..	..	..	..	..
35.34	0.50	..	..	..	..
..	
35.30	0.50	..	..	..	..
31.69	4.60	..	..	..	Z—1:200—0	
35.25	4.35	..	..	..	..
35.57	4.30	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						30	26.97
						50	22.79
						75	20.25
						100	18.45
						150	..
						200	14.38
						300	12.47
						400	..
						500	..
1093	17-7-1962	0054—0130	11° 05' N	75° 09' E	84	0	26.10
						10	27.01
						20	26.70
						30	24.90
						50	22.80
						75	20.08
1094	17-7-1962	0245—0320	11° 05' N	75° 20' E	54	0	25.90
						10	27.15
						20	24.32
						30	25.19
1095	17-7-1962	0430—0500	11° 07' N	75° 32' E	36	0	23.00
						10	23.57
						20	23.17
						30	22.82
1096	17-7-1962	0360—0645	11° 07' N	75° 42' E	18	0	24.30
						10	24.21
1097	17-7-1962	1300—1320	11° 48' N	75° 20' E	18	0	25.80
						10	23.40
1098	17-7-1962	1430—1500	11° 45' N	75° 46' E	46	0	26.20
						10	24.99
						20	23.10
						30	23.04
1099	17-7-1962	1600—1615	11° 41' N	75° 00' E	52	0	27.30
						10	27.23
						20	23.95
						30	22.62

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.77	3.70	..	..	..	..
35.46	1.40	..	..	..	..
35.16	0.75	..	..	..	..
35.08	0.50	..	..	..	..
..	
35.17	0.40	..	..	..	..
35.34	0.35	..	..	..	..
..	
..	0.50	..	..	..	..
27.70	5.15	S10.5	..	..	Z-1:75-0	
35.26	4.20	..	..	..	..
35.48	3.45	..	..	..	..
35.44	3.85	..	..	..	..
35.21	1.05	..	..	..	..
35.05	0.65	..	..	..	..
27.03	5.05	S10	..	..	Z-1:48-0	
34.85	4.20	..	..	..	..
35.64	1.25	..	..	..	..
35.55	1.65	..	..	..	..
27.11	5.60	S11	..	..	Z-1:30-0	
35.26	0.65	..	..	..	..
35.25	0.55	..	..	..	..
35.21	0.60	..	..	..	..
30.39	4.80	S11	..	..	Z-1:12-0	
35.25	0.20	..	..	..	..
27.38	6.15	..	..	..	Z-1:12-0	
35.21	0.20	..	..	..	..
29.14	3.65	..	..	..	Z-1:40-0	
35.34	1.55	..	..	..	..
35.52	0.45	..	..	..	..
35.44	0.30	..	..	..	..
26.17	..	..	..	..	Z-1:46-0	
35.43	4.40	..	..	..	..
35.37	1.25	..	..	..	..
35.35	0.60	..	..	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
31.78	5.15	..	..	..	..
35.41	4.45	..	..	..	..
35.64	2.05	..	..	..	..
35.34	1.25	..	..	..	..
35.07	0.90	..	..	..	..
35.43	4.75	..	..	..	..
35.44	4.55	..	..	..	..
35.44	4.35	..	..	..	..
35.82	3.05	..	..	..	..
35.17	0.90	..	..	..	..
35.08	0.60	..	..	..	..
34.94	0.45	..	..	..	..
34.96	0.35	..	..	..	..
35.46	4.50	..	..	..	..
35.43	4.40	..	..	..	..
35.35	4.35	..	..	..	..
35.35	4.35	..	..	..	..
35.88	2.20	..	..	..	..
35.43	0.85	..	..	..	..
34.96	0.60	..	..	..	..
35.05	..	..	..	..	..
35.12	0.35	..	..	..	..
35.19	0.40	..	..	..	..
..	
35.28	0.50	..	..	..	..
29.92	..	..	..	..	Z—1:15—0	
35.41	..	..	..	..	..
35.36	..	..	..	..	..
25.50	..	..	..	..	Z—1:38—0	
33.95	..	..	..	..	..
35.43	..	..	..	..	..
35.35	..	..	..	..	..
31.64	..	..	..	..	Z—1:65—0	
35.50	..	..	..	..	..
35.60	..	..	..	..	..
35.23	..	..	..	..	..
35.37	..	..	..	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.45	Z—1:18—0	
34.38	
34.43	
35.37	
35.07	
35.10	
35.00	
34.92	Z—1:200—0	
35.30	
35.70	
35.71	
35.14	
35.01	
35.64	
34.99	
34.94	
35.21	
35.43	
35.26	
35.94	Z—1:200—0	
35.88	
35.97	
35.91	
35.35	
34.99	
34.97	
34.94	
35.12	
35.23	
35.17	
35.23	
35.18	
35.17	
35.12	
35.01	
36.02	Z—1:200—0	
35.88	
35.82	
35.90	
35.53	
35.01	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						100	..
						150	19.22
						200	14.90
						300	12.84
						400	11.71
						500	11.05
						600	10.20
						800	9.06
						1000	..
						1200	8.11
Stations 1121 to 1127 have been repeated with Station numbers 1134 to 1140							
1134	7-8-1962	1715—1815	12° 50' N	74° 43' E	18	0	24.54
						5	24.49
						10	22.76
1135	7-8-1962	1955—2000	12° 46' N	74° 33' E	44	0	25.34
						10	25.41
						20	25.70
						30	21.41
						40	20.68
1136	7-8-1962	2146—2210	12° 45' N	74° 23' E	62	0	26.40
						10	26.48
						20	26.48
						30	26.59
						50	19.98
1137	7-8-1962	2340—0010	12° 43' N	74° 13' E	102	0	27.00
						10	27.25
						20	27.29
						30	27.61
						50	24.47
						75	19.00
						100	18.03
1138	8-8-1962	0140—0250	12° 39' N	74° 05' E	290	0	27.29
						10	27.40
						20	27.41
						30	27.40
						50	27.44
						75	26.39
						100	19.76

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.95	..	..	..	..	..
35.17	..	..	..	..	..
35.25	..	..	..	..	..
35.26	..	..	..	..	..
35.21	..	..	..	..	..
35.17	..	..	..	..	..
35.21	..	..	..	..	..
35.08	..	..	..	..	..
35.01	..	..	..	..	..
23.12	4.55	..	..	..	..
23.11	4.10	..	..	..	..
35.08	0.95	..	..	..	..
34.40	4.00	..	..	..	Z—1:38—0	
34.38	3.90	..	..	..	..
35.07	2.60	..	..	..	..
35.25	0.55	..	..	..	..
35.07	0.35	..	..	..	..
34.81	4.20	..	..	..	Z—1:55—0	
34.74	4.15	..	..	..	..
34.83	4.00	..	..	..	..
35.71	3.45	..	..	..	..
35.01	0.40	..	..	..	..
35.07	4.50	..	..	..	Z—1:95—0]	
34.97	4.45	..	..	..	..
34.94	4.25	..	..	..	..
35.61	4.40	..	..	..	..
35.81	1.90	..	..	..	..
34.97	0.45	..	..	..	..
34.92	0.35	..	..	..	..
35.09	4.60	..	..	..	..
35.02	4.40	..	..	..	..
35.08	4.40	..	..	..	..
35.12	4.50	..	..	..	..
35.12	4.45	..	..	..	..
36.00	3.85	..	..	..	..
35.17	0.50	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						150	16.81
						200	15.18
						280	13.53
1139	8-8-1962	0420—0545	12° 37' N	73° 55' E	1075	0	27.27
						10	27.46
						20	27.43
						30	27.78
						50	26.33
						75	23.83
						100	..
						150	17.35
						200	15.18
						300	13.96
						400	..
						500	13.74
1140	8-8-1962	0730—1100	12° 35' N	73° 46' E	1550	0	27.25
						10	27.42
						20	27.43
						30	27.71
						50	27.60
						75	27.44
						100	27.61
						150	19.40
						200	15.44
						300	13.17
						400	..
						500	12.41
						600	11.80
						700	11.34
						800	10.67
						1000	7.81
						1500	4.67
1141	10-8-1962	0930—0944	14° 46' N	74° 00' E	18	0	24.22
						10	24.30
						15	23.52
1142	10-8-1962	1149—1210	14° 41' N	73° 41' E	52	0	25.15
						10	25.19
						20	23.05
						30	21.72
						45	21.03

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.15	0.40	..	..	..	..
35.19	0.15	..	..	..	..
35.14	0.20	..	..	..	..
35.12	4.50	..	..	..	..
35.17	4.50	..	..	..	..
35.10	4.55	..	..	..	..
35.73	4.45	..	..	..	..
35.84	2.85	..	..	..	..
..	
35.70	1.10	..	..	..	..
35.07	0.45	..	..	..	..
35.16	0.35	..	..	..	..
35.19	0.30	..	..	..	..
..	
35.25	0.25	..	..	..	..
34.99	4.45	..	..	..	..
34.96	4.45	..	..	..	..
34.99	4.40	..	..	..	..
35.82	4.35	..	..	..	..
35.93	4.30	..	..	..	..
35.94	4.45	..	..	..	..
35.99	4.30	..	..	..	..
35.00	0.35	..	..	..	..
35.12	0.15	..	..	..	..
35.23	0.15	..	..	..	..
35.23	0.15	..	..	..	..
35.71	0.10	..	..	..	..
35.16	0.20	..	..	..	..
35.19	0.15	..	..	..	..
35.10	0.25	..	..	..	..
35.03	0.60	..	..	..	..
34.70	1.70	..	..	..	..
20.79	4.60	..	..	..	..
35.07	1.80	..	..	..	..
35.66	0.20	..	..	..	..
31.67	..	..	..	..	..
31.62	..	..	..	..	..
35.71	..	..	..	..	..
35.57	..	..	..	..	..
35.41	..	..	..	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.46	
35.50	
35.54	
35.55	
35.75	
35.23	
35.99	
35.93	
35.93	
35.93	
36.09	
35.88	
35.23	
35.14	
35.90	
35.99	
35.99	
35.99	
35.99	
35.91	
35.25	
35.14	
35.23	
35.26	
35.26	
35.33	
35.34	
35.17	
35.21	
36.05	
36.06	
36.06	
36.06	
36.06	
36.09	
36.06	
35.53	
35.17	
35.26	

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.95	
36.06	
35.95	
35.93	
36.03	
36.10	
35.25	
35.14	
35.17	
35.27	
35.25	
35.23	
35.16	
35.10	
35.16	
34.97	
34.97	
34.90	
36.00	
35.95	
36.02	
35.95	
36.03	
35.55	
35.21	
35.23	
35.26	
35.32	
35.26	
35.30	
35.26	
35.23	
35.25	
35.81	
35.75	
35.90	
35.90	
36.22	
35.24	
35.17	
33.68	
33.69	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						20	26.80
						30	24.61
						50	20.20
1151	11-8-1962	2025—2040	13° 27' N	74° 13' E	40	0	25.42
						10	25.59
						20	24.42
						30	21.62
						35	21.61
1152	11-8-1962	2314—2325	13° 35' N	74° 36' E	19	0	25.23
						8	25.37
						15	25.24
1153	22-8-1962	0345—0400	14° 12' N	74° 23' E	18	0	27.21
						10	25.62
						15	25.19
1154	22-8-1962	0545—0605	14° 07' N	74° 07' E	45	0	26.80
						10	25.95
						20	24.40
						30	..
1155	22-8-1962	0755—0809	14° 03' N	73° 57' E	58	0	26.88
						10	26.78
						20	24.85
						30	21.99
						50	20.59
1156	22-8-1962	1000—1030	13° 58' N	73° 37' E	80	0	26.13
						10	27.15
						20	26.96
						30	27.10
						50	23.41
						75	19.98
1157	22-8-1962	1215—1245	13° 52' N	73° 22' E	194	0	27.45
						10	27.40
						20	27.39
						30	27.17
						50	27.08
						75	22.38
						100	18.47
						150	14.21

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.99	..	..	..	..	..
35.39	..	..	..	..	..
33.01	..	..	..	..	..
34.33	..	..	..	..	..
35.99	..	..	..	..	..
36.67	..	..	..	..	..
35.48	..	..	..	..	..
18.23	..	..	..	..	..
32.55	..	..	..	..	..
35.60	..	..	..	..	..
22.60	5.30	..	..	..	..
31.65	4.15	..	..	..	..
35.28	1.45	..	..	..	..
27.49	5.15	..	..	..	Z—1:40—0	
33.84	3.70	..	..	..	..
35.86	1.10	..	..	..	..
..	
34.88	4.15	..	..	..	Z—1:50—0	
35.43	3.85	..	..	..	..
35.62	2.05	..	..	..	..
35.71	0.35	..	..	..	..
35.54	0.30	..	..	..	..
35.88	4.20	..	..	..	Z—1:75—0	
35.81	4.65	..	..	..	..
35.70	4.10	..	..	..	..
36.09	4.35	..	..	..	..
35.95	1.55	..	..	..	..
35.44	0.85	..	..	..	..
36.13	3.85	..	..	..	..
36.09	3.90	..	..	..	..
36.11	3.95	..	..	..	..
36.15	4.51	..	..	..	..
36.15	3.50	..	..	..	..
35.68	0.80	..	..	..	..
35.10	0.35	..	..	..	..
35.21	0.25	..	..	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.18	4.25	..	..	..	Z—2:200—0	
36.09	4.30	..	..	..	16—0	
36.15	4.40	..	..	..	..
36.11	4.40	..	..	..	..
36.20	4.25	..	..	..	..
36.04	1.80	..	..	..	..
35.50	0.35	..	..	..	..
35.37	0.20	..	..	..	..
35.39	0.25	..	..	..	..
35.41	0.25	..	..	..	..
35.37	..	..	..	..	..
35.30	0.45	..	..	..	..
35.33	0.45	..	..	..	..
35.30	0.40	..	..	..	..
35.29	0.60	..	..	..	..
26.33	..	..	..	..	Z—1:12—0	
31.94	..	..	..	..	..
35.37	..	..	..	..	..
24.78	5.00	..	..	..	Z—1:50—0	
35.63	4.85	..	..	..	..
35.91	3.50	..	..	..	..
35.93	0.60	..	..	..	..
35.79	0.25	..	..	..	..
36.11	4.60	..	..	..	Z—1:65—0	
36.17	4.05	..	..	..	..
36.11	4.45	..	..	..	..
36.09	4.50	..	..	..	..
36.18	4.25	..	..	..	..
36.29	4.60	..	..	..	Z—1:80—0	
36.22	4.20	..	..	..	..
36.25	4.45	..	..	..	..
36.26	4.55	..	..	..	..
36.17	2.60	..	..	..	..
35.71	0.55	..	..	..	..
36.25	4.60	..	..	..	Z—1:125—0	
36.26	4.50	..	..	..	..
36.25	4.60	..	..	..	..
36.18	4.75	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						50	24.32
						75	22.09
						100	18.94
1164	24-8-1962	1730—1830	16° 45' N	72° 11' E	860	0	27.50
						10	27.63
						20	27.59
						30	27.38
						50	27.60
						75	27.20
						100	24.34
						150	18.36
						200	14.46
						300	13.25
						400	12.34
						500	11.48
						600	11.23
						700	10.65
						800	9.70
1165	24-8-1962	2030—2045	16° 33' N	72° 01' E	26	0	27.44
						10	..
						20	27.54
1166	25-8-1962	0646—0800	15° 35' N	72° 30' E	1400	0	27.36
						10	27.49
						20	27.47
						30	27.47
						50	26.29
						75	22.61
						100	18.98
						150	16.16
						200	14.85
						300	13.01
						400	11.96
						500	11.39
						600	10.92
						700	..
						800	9.55
						1000	8.26
						1200	7.11
1167	25-8-1962	0946—1035	15° 40' N	72° 42' E	550	0	27.32
						10	27.41

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.19	2.60	..	..	..	..
35.97	1.40	..	..	..	..
35.51	0.50	..	..	..	..
36.32	4.40	..	..	..	Z—1:200—0	
36.33	..	..	..	..	..
36.36	4.65	..	..	..	..
35.29	4.65	..	..	..	..
36.30	4.40	..	..	..	..
36.30	4.30	..	..	..	..
36.29	2.45	..	..	..	..
35.51	0.05	..	..	..	..
35.47	0.15	..	..	..	..
35.56	0.15	..	..	..	..
35.51	0.10	..	..	..	..
35.54	0.15	..	..	..	..
35.52	0.15	..	..	..	..
35.52	0.15	..	..	..	..
35.52	0.15	..	..	..	..
36.35	4.40	..	..	..	Z—2:22—0	
36.35	4.60	..	..	..	18—0	
36.36	4.80	..	..	..	..
36.21	..	..	..	..	Z—1:200—0	
36.08	..	..	..	..	..
36.13	..	..	..	..	..
36.09	..	..	..	..	..
36.17	..	..	..	..	..
35.90	..	..	..	..	..
35.43	..	..	..	..	..
35.30	..	..	..	..	..
35.44	..	..	..	..	..
35.41	..	..	..	..	..
35.43	..	..	..	..	..
35.43	..	..	..	..	..
35.44	..	..	..	..	..
35.35	..	..	..	..	..
35.34	..	..	..	..	..
35.19	..	..	..	..	..
35.16	..	..	..	..	..
34.96	..	..	..	..	Z—1:200—0	
35.30	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						20	27.50
						30	27.48
						50	26.89
						75	21.40
						100	20.87
						150	19.75
						200	16.08
						300	13.08
						400	12.11
						500	11.47
1168	25-8-1962	1225—1250	15° 46' N	72° 56' E	100	0	27.88
						10	27.58
						20	27.46
						30	27.10
						50	23.63
						75	19.07
1169	25-8-1962	1435—1445	15° 51' N	73° 11' E	60	0	27.81
						10	27.65
						20	27.47
						30	27.00
						50	20.78
1170	25-8-1962	1630—1640	15° 57' N	73° 25' E	18	0	27.30
						10	25.16
						15	23.47
1171	25-8-1962	2155—2207	15° 23' N	73° 40' E	20	0	27.20
						5	24.23
						15	23.72
1172	26-8-1962	2353—0015	15° 17' N	73° 27' E	58	0	27.30
						10	27.59
						20	27.25
						30	26.68
						50	21.38
1173	26-8-1962	0210—0255	15° 11' N	73° 13' E	94	0	27.30
						10	27.59
						20	27.24
						30	27.09
						50	23.24
						75	19.26

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.17	..	..	..	..	..
36.06	..	..	..	..	..
36.11	..	..	..	..	..
35.64	..	..	..	..	..
35.56	..	..	..	..	..
35.48	..	..	..	..	..
35.21	..	..	..	..	..
35.35	..	..	..	..	..
35.40	..	..	..	..	..
35.50	..	..	..	..	..
28.57	..	..	..	..	Z-1:95-0	
36.08	..	..	..	..	..
36.08	..	..	..	..	..
36.08	..	..	..	..	..
35.88	..	..	..	..	..
35.35	..	..	..	..	..
32.92	..	..	..	..	Z-1:55-0	
35.75	..	..	..	..	..
35.90	..	..	..	..	..
36.18	..	..	..	..	..
35.61	..	..	..	..	..
34.49	..	..	..	..	Z-1:16-0	
35.59	..	..	..	..	..
35.66	..	..	..	..	..
30.44	5.25	..	..	..	Z-1:15-0	
35.21	0.90	..	..	..	..
35.56	0.40	..	..	..	..
33.04	4.70	..	..	..	Z-1:52-0	
35.83	4.40	..	..	..	..
35.79	4.60	..	..	..	..
35.81	4.00	..	..	..	..
35.48	0.45	..	..	..	..
32.83	4.75	..	..	..	Z-1:85-0	
35.99	4.55	..	..	..	..
36.08	4.55	..	..	..	..
36.09	4.45	..	..	..	..
35.99	1.45	..	..	..	..
35.34	0.25	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1174	26-8-1962	0445—0525	15° 06' N	72° 58' E	220	0 10 20 30 50 75 100 150	27.30 27.41 27.38 27.11 25.29 22.18 18.62 15.89
1175	26-8-1962	0715—0830	15° 01' E	72° 43' E	1120	0 10 20 30 50 75 100 150 200 300 400 500 600 700 800 1000	27.21 27.42 27.43 27.16 27.01 25.05 22.94 18.60 14.57 13.09 11.83 11.16 10.45 9.80 9.45 8.25
1176	4-9-1962	1200—1210	08° 07' N	76° 58' E	38	0 10 20 30	25.61 25.13 24.38 24.00
1177	6-9-1962	0045—0100	08° 14' N	73° 07' E	2050	0 10 20 30 50 75 100 150 200	27.10 27.19 27.41 27.52 26.97 24.44 19.32 14.90 ..

Station 1178—Productivity work only.

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
30.19	4.65	..	..	..	Z—1:200—0	
35.99	4.50	..	..	..	..
36.12	4.30	..	..	..	..
36.12	4.35	..	..	..	..
36.08	2.70	..	..	..	..
35.61	0.65	..	..	..	..
35.20	0.25	..	..	..	..
35.31	0.20	..	..	..	..
32.11	4.50	..	..	..	Z—1:200—0	
35.99	..	..	..	..	..
36.05	4.45	..	..	..	..
36.06	4.30	..	..	..	..
36.08	4.35	..	..	..	..
35.80	3.40	..	..	..	..
35.59	2.20	..	..	..	..
35.29	0.25	..	..	..	..
35.39	0.10	..	..	..	..
35.32	0.05	..	..	..	..
35.32	0.10	..	..	..	..
35.32	0.20	..	..	..	..
35.21	0.20	..	..	..	..
35.21	0.20	..	..	..	..
35.27	0.25	..	..	..	..
35.16	0.30	..	..	..	..
34.94	3.90	..	..	..	..
35.01	3.15	..	..	..	..
35.16	2.65	..	..	..	..
35.21	2.70	..	..	..	..
34.76	4.50	..	..	..	Z—1:15—0	
34.72	4.60	..	..	..	..
35.16	4.45	..	..	..	..
35.53	4.55	..	..	..	..
35.93	3.80	..	..	..	..
35.87	1.75	..	..	..	..
35.26	0.55	..	..	..	..
35.03	0.50	..	..	..	..
35.14	0.45	..	..	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.16	4.60	..	..	..	Z—1:500—0	
34.18	4.60	..	..	..	..
34.83	4.80	..	..	..	..
35.86	4.65	..	..	..	..
36.09	4.15	..	..	..	..
35.50	0.95	..	..	..	..
35.08	0.65	..	..	..	..
35.03	0.60	..	..	..	..
35.05	1.00	..	..	..	..
35.07	1.00	..	..	..	..
35.12	0.90	..	..	..	..
35.14	0.85	..	..	..	..
34.23	4.60	..	..	..	Z—1:200—0	
34.25	4.45	..	..	..	..
34.52	4.50	..	..	..	..
35.97	4.35	..	..	..	..
35.90	4.45	..	..	..	..
35.50	0.75	..	..	..	..
35.27	0.55	..	..	..	..
35.10	0.60	..	..	..	..
35.07	0.70	..	..	..	..
35.12	0.65	..	..	..	..
35.18	0.65	..	..	..	..
35.07	0.60	..	..	..	..
34.63	4.50	..	..	..	Z—1:200—0	
34.68	4.50	..	..	..	..
35.28	4.60	..	..	..	..
36.17	4.45	..	..	..	..
36.15	3.05	..	..	..	..
35.64	0.45	..	..	..	..
35.14	0.35	..	..	..	..
35.01	0.50	..	..	..	..
35.12	0.65	..	..	..	..
35.43	0.65	..	..	..	..
35.61	0.65	..	..	..	..
..	0.70	..	..	..	..
34.90	4.60	..	..	..	Z—1:200—0	
34.94	4.60	..	..	..	..
35.12	4.55	..	..	..	..
35.42	4.40	..	..	..	..
35.72	1.50	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						75 -	19.08
						100	15.99
						150	14.49
						200	..
						300	11.88
						400	11.11
						500	10.34
1183	7-9-1962	1755—1845	09° 50' N	75° 34' E	162	0	27.00
						10	27.09
						20	27.17
						30	27.35
						50	22.81
						75	19.35
						100	18.75
						150	14.60
1184	15-9-1962	0940—1014	08° 00' N	77° 00' E	55	0	25.20
						10	25.14
						20	25.04
						30	22.59
						50	20.67
1185	15-9-1962	1338—1348	07° 30' N	77° 00' E	100	0	26.28
1186	15-9-1962	1715—1900	07° 00' N	77° 00' E	1880	0	27.02
						10	27.14
						20	27.04
						30	26.95
						50	24.06
						75	19.81
						100	17.99
						150	15.87
						200	13.46
						300	11.43
						400	10.84
						500	10.09
						600	9.43
						700	8.75
						800	8.29
						1000	7.02

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.29	0.70	..	..	..	..
35.10	0.55	..	..	..	..
35.01	0.45	..	..	..	..
35.16	0.40	..	..	..	..
35.07	0.60	..	..	..	..
35.13	0.65	..	..	..	..
35.07	0.70	..	..	..	..
35.34	5.10	..	..	..	Z—1:155—0	
35.23	5.10	..	..	..	..
35.44	4.05	..	..	..	..
35.68	4.45	..	..	..	..
35.62	1.05	..	..	..	..
35.09	0.75	..	..	..	..
34.98	0.80	..	..	..	..
35.01	0.40	..	..	..	..
35.09	6.20	NW3	2	..	Z—1:50—0	
35.07	5.60	..	..	..	..
35.10	4.45	..	..	..	..
35.13	1.50	..	..	..	..
35.12	1.55	..	..	..	..
..	..	..	..	B.T. 0.90	..	B.T. only.
35.34	4.65	NW4			Z—1:200—0	
35.34	5.50	..	..	..	..
35.34	4.75	..	..	..	..
35.34	7.00	..	..	..	..
35.28	2.20	..	..	..	..
35.13	1.20	..	..	..	..
35.13	1.10	..	..	..	..
35.11	1.10	..	..	..	..
35.13	..	..	..	..	..
35.14	1.25	..	..	..	..
35.14	..	..	..	..	..
35.15	1.00	..	..	..	..
35.16	..	..	..	..	..
35.07	0.80	..	..	..	..
35.06	..	..	..	..	..
35.07	0.95	..	..	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.00	..	..	..	..	..
34.80	2.05	..	..	..	..
34.80	..	..	..	..	..
..	..	..	..	B.T. 0.120	..	B.T. only.
35.33	5.35	..	..	..	Z—1:200—0	
35.29	5.15	..	..	..	..
35.29	4.95	..	..	..	..
35.31	4.70	..	..	..	..
35.81	3.15	..	..	..	..
35.34	0.90	..	..	..	..
35.21	..	..	..	..	..
35.16	1.25	..	..	..	..
35.16	..	..	..	..	..
35.14	1.35	..	..	..	..
35.13	..	..	..	..	..
35.10	1.05	..	..	..	..
35.06	..	..	..	..	..
35.01	0.70	..	..	..	..
35.01	..	..	..	..	..
34.98	1.10	..	..	..	..
34.96	..	..	..	..	..
34.86	1.85	..	..	..	..
34.79	..	..	..	..	..
34.75	2.70	..	..	..	..
35.03	..	..	..	B.T.	..	B.T. only.
35.92	4.95	..	..	..	Z—1:200—0	
35.61	5.30	..	..	..	..
35.66	5.50	..	..	..	..
35.61	5.15	..	..	..	..
35.86	3.75	..	..	..	..
35.25	1.45	..	..	..	..
35.11	0.90	..	..	..	..
35.13	0.95	..	..	..	..
35.11	..	..	..	..	..
35.10	1.35	..	..	..	..
35.12	..	..	..	..	..
35.12	0.95	..	..	..	..
35.10	..	..	..	..	..
35.07	0.70	..	..	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.05	..	..	..	..	..
34.94	1.30	..	..	..	..
34.90	..	..	..	..	..
34.91	1.90	..	..	..	..
34.90	..	..	..	..	..
34.80	2.70	..	..	..	..
34.72	..	..	..	..	..
34.73	3.45	..	..	..	..
35.56	..	..	..	B.T. 0.250	..	B.T. only.
35.29	4.90	W2	2	..	Z—1:200—0	
35.28	5.15	..	..	..	..
35.30	5.00	..	..	..	..
35.65	5.05	..	..	..	..
35.96	4.05	..	..	..	..
35.39	2.50	..	..	..	..
35.23	2.25	..	..	..	..
35.15	1.35	..	..	..	..
35.12	..	..	..	..	..
35.07	1.25	..	..	..	..
35.07	..	..	..	..	..
35.07	0.65	..	..	..	..
35.04	..	..	..	..	..
35.01	0.85	..	..	..	..
34.96	..	..	..	..	..
34.94	1.20	..	..	..	..
34.90	..	..	..	..	..
34.92	1.80	..	..	..	..
34.82	..	..	..	..	..
34.80	2.55	..	..	..	..
34.70	..	..	..	..	..
34.70	3.45	..	..	..	..
34.69	3.70	..	..	..	..
35.00	..	NW1	1	B.T. 0.250	..	B.T. only.
34.71	5.05	..	..	..	Z—1:200—0	
34.72	5.10	..	..	..	..
34.72	4.75	..	..	..	..
34.77	..	..	..	..	..
35.10	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						75	26.71
						100	20.85
						150	17.04
						200	13.50
						300	11.42
						400	10.49
						500	9.52
						600	8.95
						700	7.58
						800	7.29
						1000	6.57
						1200	5.90
						1500	4.22
						1800	3.17
						2000	2.65
						2500	1.93
						3000	1.65
						3500	1.35
1195	17-9-1962	1530—1545	02° 30' N	77° 00' E	4120	0	28.82
1196	17-9-1962	1900—0000	02° 02' N	77° 00' E	4160	0	28.70
						10	28.81
						20	28.74
						30	28.28
						50	28.01
						75	28.69
						100	..
						150	19.70
						200	15.24
						300	11.73
						400	10.51
						500	9.68
						600	9.13
						700	8.43
						800	7.69
						1000	6.77
						1200	5.95
						1500	4.35
						1800	3.10
						2000	2.63
						2500	1.96

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.48	4.15	..	..	..	..
35.19	2.40	..	..	..	..
35.12	1.75	..	..	..	..
35.09	..	..	..	..	..
35.03	1.25	..	..	..	..
35.01	..	..	..	..	..
35.01	0.75	..	..	..	..
35.03	..	..	..	..	..
34.99	0.90	..	..	..	..
34.93	..	..	..	..	..
34.88	1.35	..	..	..	..
34.87	..	..	..	..	..
34.81	1.90	..	..	..	..
34.78	..	..	..	..	..
34.70	2.60	..	..	..	..
34.83	..	..	..	..	..
34.65	3.45	..	..	..	..
34.65	..	..	..	..	..
34.74	..	..	..	B.T. 0.250	..	B.T. only.
34.72	4.65	..	..	..	Z—1:200—0	
34.71	4.70	..	..	..	..
34.63	4.85	..	..	..	..
34.64	5.30	..	..	..	..
34.65	5.15	..	..	..	..
34.69	5.05	..	..	..	..
34.82	4.65	..	..	..	..
35.10	0.75	..	..	..	..
35.06	..	..	..	..	..
35.01	1.25	..	..	..	..
34.97	..	..	..	..	..
34.97	1.25	..	..	..	..
34.96	..	..	..	..	..
34.94	1.05	..	..	..	..
..	
34.87	1.60	..	..	..	..
35.02	..	..	..	..	..
35.01	1.80	..	..	..	..
34.90	..	..	..	..	..
34.92	2.70	..	..	..	..
34.72	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						3000	1.63
						3500	1.36
1197	18-9-1962	0313—0340	01° 32' N	77° 00' E	4000	0	28.38
1198	18-9-1962	0710—0955	01° 02' N	77° 00' E	4210	0	28.62
						10	28.71
						20	28.71
						30	28.78
						50	28.04
						75	24.82
						100	20.01
						150	16.47
						200	13.86
						300	11.16
						400	10.21
						500	9.57
						600	9.14
						700	8.47
						800	7.65
						1000	6.67
						1200	5.70
						1500	5.17
						1800	3.44
						2000	2.60
						2500	1.99
						3000	1.57
						3500	1.34
1199	18-9-1962	1400—1415	00° 30' N	77° 00' E	4640	0	29.31
1200	18-9-1962	1745—2050	00° 00' E	77° 00' E	4515	0	28.70
						10	28.78
						20	28.58
						30	28.30
						50	28.02
						75	23.92
						100	22.09
						150	15.27
						200	13.12
						300	11.24
						400	10.33
						500	9.64

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.74	3.35	..	..	..	..
34.74	3.70	..	..	..	..
34.60	..	..	..	B.T.	..	B.T. only.
34.50	4.35	SW1	..	..	Z-1:200-0	
34.45	4.50	..	..	..	..
34.45	4.55	..	..	..	..
34.69	4.60	..	..	..	..
34.67	4.60	..	..	..	..
34.97	3.10	..	..	..	..
35.07	1.55	..	..	..	..
35.10	1.15	..	..	..	..
35.07	1.50	..	..	..	..
35.07	1.50	..	..	..	..
35.05	1.45	..	..	..	..
35.03	1.45	..	..	..	..
34.96	..	..	..	..	..
35.03	0.90	..	..	..	..
35.02	1.15	..	..	..	..
35.01	1.15	..	..	..	..
34.91	1.95	..	..	..	..
34.88	1.95	..	..	..	..
34.76	2.70	..	..	..	..
34.76	2.70	..	..	..	..
34.74	3.55	..	..	..	..
34.70	..	..	..	..	..
34.69	..	..	..	..	..
34.51	..	..	..	B.T. 0.250	•..	B.T. only.
34.49	4.55	SW2	..	..	Z-1:200-0	
34.51	4.50	..	..	..	..
34.61	4.65	..	..	..	..
34.60	4.50	..	..	..	..
34.61	4.35	..	..	..	..
35.12	3.05	..	..	..	..
35.19	2.45	..	..	..	..
35.13	1.80	..	..	..	..
35.12	..	..	..	..	..
35.09	2.30	..	..	..	..
35.08	..	..	..	..	..
35.01	1.70	..	..	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.98	..	..	..	..	..
35.04	..	..	..	..	..
35.03	..	..	..	..	..
34.98	1.25	..	..	..	..
34.94	..	..	..	..	..
34.78	2.00	..	..	..	..
34.79	..	..	..	..	..
34.79	2.65	..	..	..	..
34.78	..	..	..	..	..
34.77	3.45	..	..	..	..
34.76	3.80	..	..	..	..
34.66	..	..	..	B.T. 0.250	..	B.T. only.
34.72	4.70	SSW1	..	..	Z—1:200—0	
34.67	4.55	..	..	..	..
34.72	4.65	..	..	..	..
34.74	4.55	..	..	..	..
34.92	4.55	..	..	..	..
35.08	3.40	..	..	..	..
35.21	2.85	..	..	..	..
35.23	2.05	..	..	..	..
35.14	..	..	..	..	..
34.99	2.25	..	..	..	..
34.99	..	..	..	..	..
35.06	1.75	..	..	..	..
35.01	..	..	..	..	..
35.03	1.40	..	..	..	..
35.04	..	..	..	..	..
35.08	1.35	..	..	..	..
34.94	..	..	..	..	..
35.05	2.05	..	..	..	..
34.79	..	..	..	..	..
34.78	2.65	..	..	..	..
34.78	..	..	..	..	..
34.78	3.55	..	..	..	..
34.76	..	..	..	..	..
34.78	..	..	..	B.T. 0.250	..	B.T. only.
34.69	4.70	..	..	..	Z—1:200—0	
34.78	4.80	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						20	28.95
						30	28.88
						50	28.37
						75	22.99
						100	19.87
						150	16.27
						200	13.07
						300	10.91
						400	10.21
						500	10.19
						600	9.08
						700	8.44
						800	7.72
						1000	6.38
						1200	5.40
						1500	4.05
						1800	3.15
						2000	2.14
						2500	...
						3000	1.62
						3500	1.30
1205	19-9-1962	1900—1905	01° 00' S	78° 30' E	4980	0	29.54
1206	19/20-9-1962	2207—0025	01° 00' S	79° 00' E	4690	0	29.18
						10	29.10
						20	28.85
						30	28.59
						50	28.78
						75	24.31
						100	24.48
						150	16.25
						200	13.24
						300	10.93
						400	10.41
						500	10.21
						600	9.46
						700	8.64
						800	8.59
						1000	6.46
						1200	5.52
						1500	4.23

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.70	4.65	..	..	..	..
34.87	4.70	..	..	..	..
34.87	4.65	..	..	..	..
35.27	3.40	..	..	..	..
35.27	2.25	..	..	..	..
35.27	2.25	..	..	..	..
35.21	1.85	..	..	..	..
35.21	..	..	..	..	..
35.07	2.15	..	..	..	..
35.03	..	..	..	..	..
35.01	2.05	..	..	..	..
35.14	..	..	..	..	..
34.93	1.45	..	..	..	..
34.93	..	..	..	..	..
34.88	2.05	..	..	..	..
34.79	..	..	..	..	..
34.74	2.05	..	..	..	..
34.73	..	..	..	..	..
34.73	2.80	..	..	..	..
34.73	..	..	..	..	..
34.73	3.60	..	..	..	..
34.66	3.70	..	..	..	..
34.77	..	..	..	B.T. 0.250	..	B.T. only.
34.84	..	..	..	..	..
34.74	..	..	..	..	..
34.70	..	..	..	..	..
34.74	..	..	..	..	..
34.88	..	..	..	..	..
35.21	..	..	..	..	..
35.19	..	..	..	..	..
35.19	..	..	..	..	..
35.10	..	..	..	..	..
34.96	..	..	..	..	..
34.96	..	..	..	..	..
34.91	..	..	..	..	..
34.90	..	..	..	..	..
34.88	..	..	..	..	..
34.88	..	..	..	..	..
34.87	..	..	..	..	..
34.84	..	..	..	..	..
34.75	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						1800	3.42
						2000	2.66
						2500	2.25
						3000	1.61
						3500	1.34
1207	20-9-1962	0440—0445	01° 00' S	79° 30' E	4700	0	28.95
1208	20-9-1962	0800—1006	01° 00' S	79° 54' E	4670	0	28.98
						10	29.01
						20	29.00
						30	28.70
						50	28.23
						75	25.40
						100	20.90
						150	15.64
						200	12.70
						300	11.10
						400	10.38
						500	10.00
						600	9.40
						700	8.90
						800	7.75
						1000	6.61
						1200	5.44
						1500	4.36
						1800	3.39
						2000	2.78
						2500	3.66
						3000	1.68
						3500	1.38
1209	20-9-1962	1400—1415	00° 30' S	80° 00' E	4660	0	31.25
1210	20-9-1962	1805—2200	00° 00'	80° 00' E	4580	0	29.71
						10	28.95
						20	28.86
						30	28.88
						50	28.52
						75	24.27
						100	20.83
						150	20.27

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.76	..	..	..	..	..
34.70	..	..	..	..	..
34.70	..	..	..	..	..
34.70	..	..	..	..	..
34.68	..	..	..	..	..
34.85	..	..	..	B.T. 0.250	..	B.T. only.
34.70	4.55	W2	2	..	Z—1:200—0	
34.65	4.45	..	..	..	..
34.60	4.45	..	..	..	..
34.64	4.80	..	..	..	..
34.69	4.45	..	..	..	..
35.05	3.40	..	..	..	..
35.27	2.35	..	..	..	..
35.14	2.05	..	..	..	..
35.07	..	..	..	..	..
35.07	1.80	..	..	..	..
35.01	..	..	..	..	..
34.96	1.55	..	..	..	..
34.88	..	..	..	..	..
34.87	1.50	..	..	..	..
34.87	..	..	..	..	..
34.84	1.20	..	..	..	..
34.85	..	..	..	..	..
34.76	1.85	..	..	..	..
34.72	..	..	..	..	..
34.69	2.45	..	..	..	..
34.67	..	..	..	..	..
34.65	3.55	..	..	..	..
34.63	3.65	..	..	..	..
34.60	..	..	..	B.T. 0.250	..	B.T. only.
34.63	4.85	..	..	..	Z—1:200—0	
34.51	5.05	..	..	..	..
34.56	5.00	..	..	..	..
34.49	4.70	..	..	..	..
34.47	4.65	..	..	..	..
35.08	3.20	..	..	..	..
35.20	2.10	..	..	..	..
35.21	1.80	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						200	18.20
						300	13.24
						400	10.72
						500	10.27
						600	9.46
						700	8.76
						800	8.00
						1000	6.40
						1200	5.47
						1500	3.92
						1800	3.09
						2000	2.46
						2500	1.96
						3000	..
						3500	..
1211	21-9-1962	0112—0125	00° 30' N	80° 00' E	4600	0	28.95
1212	21-9-1962	0455—0725	01° 00' N	79° 56' E	4580	0	28.74
						10	28.79
						20	28.71
						30	28.61
						50	28.26
						75	28.01
						100	22.05
						150	15.75
						200	12.54
						300	11.60
						400	10.50
						500	9.79
						600	9.26
						700	8.83
						800	8.09
						1000	6.76
						1200	5.03
						1500	5.12
						1800	3.07
						2000	2.17
						2500	..
						3000	1.69
						3500	1.37

S%.	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.19	..	..	..	..	..
35.07	1.75	..	..	..	..
34.97	..	..	..	..	..
34.97	1.55	..	..	..	..
34.99	..	..	..	..	..
34.97	1.20	..	..	..	..
34.93	..	..	..	..	..
34.88	1.20	..	..	..	..
34.84	..	..	..	..	..
34.78	2.15	..	..	..	..
34.72	..	..	..	..	..
34.67	2.55	..	..	..	..
34.63	..	..	..	..	..
34.63	3.60	..	..	..	..
34.62	..	..	..	..	..
34.54	..	..	..	B.T. 0.250	..	B.T. only.
34.54	4.80	..	..	..	Z _r —1:200—0	
34.54	4.60	..	..	..	..
34.49	4.65	NNW	..	..	..
34.49	4.60	..	..	..	..
34.61	4.60	..	..	..	..
34.70	4.55	..	..	..	..
35.07	2.55	..	..	..	..
35.09	1.25	..	..	..	..
35.03	..	..	..	..	..
34.99	2.20	..	..	..	..
34.96	..	..	..	..	..
34.96	1.25	..	..	..	..
34.95	..	..	..	..	..
34.94	1.05	..	..	..	..
34.93	..	..	..	..	..
34.87	1.05	..	..	..	..
34.87	..	..	..	..	..
34.79	2.00	..	..	..	..
34.72	..	..	..	..	..
34.70	2.65	..	..	..	..
34.70	..	..	..	..	..
34.67	3.70	..	..	..	..
34.63	..	..	..	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.65	..	..	..	B.T. 0.250	..	B.T. only.
34.85	4.55	WNW	..	..	Z—1:200—0	
34.83	4.70	1	..	..	..
35.01	4.70	..	..	..	..
35.18	4.70	..	..	..	..
35.19	4.65	..	..	..	..
35.26	4.50	..	..	..	..
35.10	3.15	..	..	..	..
35.08	1.10	..	..	..	..
35.07	..	..	..	..	..
35.05	1.95	..	..	..	..
34.99	..	..	..	..	..
34.96	1.75	..	..	..	..
34.95	..	..	..	..	..
..	0.95	..	..	..	..
34.89	..	..	..	..	..
34.87	1.10	..	..	..	..
34.82	..	..	..	..	..
34.81	1.95	..	..	..	..
34.78	..	..	..	..	..
34.70	2.70	..	..	..	..
34.69	..	..	..	..	..
34.69	..	..	..	..	..
34.69	..	..	..	..	..
35.07	..	..	..	B.T. 0.250	..	B.T. only.
35.19	4.75	..	..	..	Z—1:200—0	
35.23	4.65	..	..	..	..
35.16	5.00	..	..	..	..
35.23	4.65	..	..	..	..
35.33	4.65	..	..	..	..
35.35	4.45	..	..	..	..
35.16	2.80	..	..	..	..
35.02	..	..	..	..	..
35.05	1.45	..	..	..	..
35.04	..	..	..	..	..
35.01	1.70	..	..	..	..
34.98	..	..	..	..	..
34.96	1.95	..	..	..	..
..	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						800	7.78
						1000	6.64
						1200	6.59
						1500	4.15
						1800	3.15
						2000	2.72
						2500	..
						3000	..
						3500	..
1217	22-9-1962	0525—0535	03° 25' N	80° 01' E	4330	0	28.10
1218	22-9-1962	0900—1110	03° 43' N	80° 02' E	4300	0	28.49
						10	28.08
						20	27.86
						30	27.60
						50	27.59
						75	27.71
						100	23.71
						150	14.78
						200	12.90
						300	11.23
						400	10.48
						500	9.86
						600	9.04
						700	8.60
						800	7.57
						1000	6.28
						1200	5.50
						1500	4.47
						1800	3.20
						2000	2.73
						2500	..
						3000	1.67
						3500	..
1219	22-9-1962	1655—1710	04° 30' N	80° 00' E	4270	0	28.42
1220	22-9-1962	2045—2255	05° 00' N	80° 00' E	4120	0	27.93
						10	28.03
						20	27.82
						30	27.80

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.92	1.30	..	..	..	..
34.87	..	..	..	..	..
34.86	1.40	..	..	..	..
34.87	..	..	..	..	..
34.83	2.45	..	..	..	..
34.68	..	..	..	..	..
34.69	3.20	..	..	..	..
34.69	3.70	..	..	..	..
35.48	..	..	..	B.T. 0.250	..	B.T. only
35.48	4.65	W1	1	..	Z—1:200—10	
35.49	4.65	..	..	..	..
35.51	4.65	..	..	..	..
35.39	4.65	..	..	..	..
35.41	4.65	..	..	..	..
35.61	4.65	..	..	..	..
34.79	2.55	..	..	..	..
34.99	1.00	..	..	..	..
35.07	..	..	..	..	..
35.03	1.55	..	..	..	..
35.07	..	..	..	..	..
35.05	0.90	..	..	..	..
35.01	..	..	..	..	..
34.96	0.90	..	..	..	..
34.96	..	..	..	..	..
34.85	1.30	..	..	..	..
34.85	..	..	..	..	..
34.85	1.75	..	..	..	..
34.78	..	..	..	..	..
34.76	2.55	..	..	..	..
34.70	..	..	..	..	..
34.68	3.25	..	..	..	..
34.68	3.65	..	..	..	..
35.51	..	W2	2	B.T. 0.250	..	B.T. only.
35.48	4.60	W1	..	..	Z—1:200—0	
35.48	4.55	..	..	..	..
35.43	4.80	..	..	..	..
35.38	4.65	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						50	27.63
						75	26.39
						100	21.15
						150	16.58
						200	13.32
						300	11.56
						400	10.55
						500	9.94
						600	9.03
						700	8.60
						800	7.66
						1000	6.50
						1200	5.55
						1500	4.37
						1800	3.25
						2000	2.71
						2500	..
						3000	1.71
						3500	1.39
1221	23-9-1962	0225—0235	05° 30' N	80° 00' E	4040	0	27.75
1222	23-9-1962	0635—0700	06° 00' N	80° 00' E	56	0	27.71
						10	27.84
						20	27.68
						30	27.40
						50	27.51
1223	23-9-1962	1035—1050	06° 19' N	79° 36' E	1550	0	27.80
1224	23-9-1962	1430—1600	06° 38' N	79° 13' E	2350	0	28.17
						10	27.84
						20	27.70
						30	27.74
						50	27.43
						75	24.11
						100	21.28
						150	16.33
						200	14.19
						300	11.88
						400	10.80
						500	10.10

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.43	4.65	..	..	..	..
35.35	3.60	..	..	..	..
34.71	1.65	..	..	..	..
34.95	0.65	..	..	..	..
34.97	0.50	..	..	..	..
35.05	0.95	..	..	..	..
35.03	..	..	..	..	..
35.00	0.60	..	..	..	..
34.94	..	..	..	..	..
34.96	0.60	..	..	..	..
34.95	..	..	..	..	..
34.99	1.10	..	..	..	..
34.90	..	..	..	..	..
34.87	1.70	..	..	..	..
34.77	..	..	..	..	..
34.70	2.50	..	..	..	..
34.70	..	..	..	..	..
34.68	3.15	..	..	..	..
34.68	3.50	..	..	..	..
35.38	..	..	..	BT 0.250	..	BT only.
35.53	4.45	W1	..	..	Z—1:50—0	
35.51	4.60	..	..	..	..
35.51	4.45	..	..	..	..
35.44	4.50	..	..	..	..
35.75	4.50	..	..	..	..
35.60	..	..	..	BT 0.250	..	BT only.
35.56	4.50	WSW	..	..	Z—1:200—0	
35.53	4.50	1	..	..	..
35.51	4.50	..	..	..	..
35.51	4.50	..	..	..	..
35.49	4.50	..	..	..	..
35.53	2.05	..	..	..	..
35.28	1.70	..	..	..	..
35.03	0.90	..	..	..	..
35.14	1.70	..	..	..	..
35.16	0.95	..	..	..	..
35.09	0.85	..	..	..	..
35.08	0.70	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						600	9.20
						700	8.54
						800	7.88
						1000	6.71
						1200	..
						1500	..
						1800	3.12
						2000	2.48
1225	29-3-1962	1940—1950	07° 02' N	78° 49' E	..	0	27.6
1226	23/24-9-1962	2300—0100	07° 24' N	75° 25' E	2040	0	27.43
						10	27.53
						20	27.52
						30	27.48
						50	27.51
						75	26.93
						100	24.24
						150	17.53
						200	14.62
						300	11.95
						400	10.54
						500	9.88
						600	9.25
						700	8.60
						800	7.94
						1000	6.69
						1200	5.81
						1500	..
						1800	3.17
						2000	2.53
1227	24-9-1962	0455—0458	07° 45' N	78° 02' E	40	0	27.50
1228	24-9-1962	0745—0757	08° 00' N	74° 43' E	28	0	25.32
						10	25.79
						20	24.24
1229	4-10-1962	1456—1840	08° 00' N	74° 00' E	2700	0	28.60
						10	28.54
						20	28.36
						30	28.08

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.97	0.50	..	..	..	..
34.97	0.50	..	..	..	..
34.97	0.60	..	..	..	..
34.86	0.90	..	..	..	..
34.86	1.25	..	..	..	..
..	1.85	..	..	..	..
34.78	2.40	..	..	..	..
34.74	2.60	..	..	..	..
35.51	..	..	..	BT 0.250	..	BT only.
35.45	4.50	W5	4	..	Z—1:200—0	
35.39	4.50	..	..	..	..
35.46	4.50	..	..	..	..
35.49	4.45	..	..	..	..
35.46	4.50	..	..	..	..
35.56	3.70	..	..	..	..
35.25	2.30	..	..	..	..
35.04	0.80	..	..	..	..
34.99	0.95	..	..	..	..
35.04	0.45	..	..	..	..
35.05	0.45	..	..	..	..
35.07	0.45	..	..	..	..
35.05	0.50	..	..	..	..
34.94	0.55	..	..	..	..
34.94	0.70	..	..	..	..
34.87	0.95	..	..	..	..
34.87	1.25	..	..	..	..
..	1.75	..	..	..	..
34.77	2.20	..	..	..	..
34.72	2.50	..	..	..	..
35.34	..	..	..	BT 0.35	..	BT only.
35.25	3.40	..	..	..	Z—1:20—0	
35.26	3.20	..	..	..	..
..	
34.99	4.55	..	..	..	Z—1:200—0	
35.26	4.60	..	..	..	..
35.60	4.80	..	..	..	..
35.93	4.55	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						50	27.17
						75	21.80
						100	18.05
						150	14.74
						200	13.43
						300	11.92
						400	10.70
						500	10.39
						600	9.36
						700	8.70
						800	8.28
						1000	6.87
						1200	5.97
						1500	5.06
						1800	3.40
						2000	2.77
						2500	1.95
1230	4-10-1962	2115—2135	07° 46' N	73° 33' E	2420	0	28.30
1231	5-10-1962	0110—0315	07° 33' N	73° 07' E	1780	0	28.10
						10	28.28
						20	28.36
						30	28.30
						50	28.02
						75	21.17
						100	19.77
						150	15.62
						200	13.45
						300	11.53
						400	10.85
						500	..
						600	9.28
						700	8.87
						800	8.10
						1000	6.40
						1200	5.91
						1500	4.55
1232	5-10-1962	0710—0722	07° 19' N	72° 40' E	1700	0	28.10

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.35	4.15	..	..	..	..
35.77	0.95	..	..	..	..
35.35	0.70	..	..	..	..
35.28	0.55	..	..	..	..
35.28	..	..	..	..	..
35.34	1.20	..	..	..	..
35.38	..	..	..	..	..
35.37	0.75	..	..	..	..
35.34	..	..	..	..	..
35.34	0.85	..	..	..	..
35.27	..	..	..	..	..
35.20	1.10	..	..	..	..
35.07	..	..	..	..	..
35.05	1.40	..	..	..	..
34.98	..	..	..	..	..
34.94	2.35	..	..	..	..
..	
35.64	..	..	..	BT 0.250	..	BT only.
34.42	4.70	..	..	..	Z—1:200—0	
36.18	4.45	..	..	..	..
36.17	4.60	..	..	..	..
36.20	4.60	..	..	..	..
36.40	4.55	..	..	..	..
35.68	1.20	..	..	..	..
35.48	1.00	..	..	..	..
35.25	0.75	..	..	..	..
35.27	..	..	..	..	..
35.28	1.60	..	..	..	..
35.34	..	..	..	..	..
35.33	0.80	..	..	..	..
35.23	..	..	..	..	..
35.21	0.80	..	..	..	..
35.16	..	..	..	..	..
35.05	1.20	..	..	..	..
35.03	..	..	..	..	..
35.01	1.50	..	..	..	..
..	..	..	..	BT 0.250	..	BT only.

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.19	4.55	..	..	..	Z-1:200-0	
35.95	4.40	..	..	..	..
35.74	4.45	..	..	..	..
35.88	4.50	..	..	..	..
35.90	4.50	..	..	..	..
35.78	2.75	..	..	..	..
35.46	1.30	..	..	..	..
35.17	0.75	..	..	..	..
35.17	..	..	..	..	..
35.16	1.15	..	..	..	..
35.21	..	..	..	..	..
35.48	1.00	..	..	..	..
35.25	..	..	..	..	..
35.23	1.20	..	..	..	..
35.14	..	..	..	..	..
35.08	1.45	..	..	..	..
35.05	..	..	..	..	..
35.03	1.95	..	..	..	..
..	..	..	..	BT 0.150	..	BT only.
35.77	4.75	..	..	..	Z-1:200-0	
35.78	4.85	..	..	..	..
35.72	4.60	..	..	..	..
35.79	4.40	..	..	..	..
35.99	4.40	..	..	..	..
35.79	2.85	..	..	..	..
35.59	1.00	..	..	..	..
35.16	0.55	..	..	..	..
35.17	..	..	..	..	..
35.16	1.15	..	..	..	..
35.16	..	..	..	..	..
35.16	0.70	..	..	..	..
35.17	..	..	..	..	..
35.14	0.60	..	..	..	..
35.06	..	..	..	..	..
34.96	0.90	..	..	..	..
34.88	..	..	..	..	..
34.86	1.80	..	..	..	..
34.81	..	..	..	..	..
34.88	1.15	..	..	..	..
34.77	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						3000	2.02
						3500	..
1236	6-10-1962	0315—0320	06° 28' N	71° 00' E	3860	0	..
1237	6-10-1962	0700—1000	06° 00' N	71° 02' E	3920	0	28.30
						10	28.49
						20	28.51
						30	28.51
						50	28.30
						75	26.16
						100	22.67
						150	16.09
						200	13.64
						300	11.65
						400	10.85
						500	..
						600	9.45
						700	8.75
						800	8.12
						1000	..
						1200	5.94
						1500	4.58
						1800	3.30
						2000	2.75
						2500	2.09
						3000	1.78
						3500	..
1238	6-10-1962	1330—1340	05° 30' N	71° 00' E	3920	0	28.60
1239	6-10-1962	1750—2000	05° 00' N	71° 00' E	3720	0	28.40
						10	28.56
						20	28.57
						30	28.51
						50	28.30
						75	27.68
						100	20.36
						150	15.34
						200	14.04
						300	11.96
						400	10.91
						500	10.10

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.63	3.40	..	..	..	..
34.63	..	..	..	..	..
..	..	..	..	BT 0.250	..	BT only.
35.68	4.35	..	..	..	Z-1:200-0	
..	4.45	..	..	..	..
35.91	4.30	..	..	..	..
36.24	4.45	..	..	..	..
35.90	3.50	..	..	..	..
35.63	1.80	..	..	..	..
35.15	1.30	..	..	..	..
35.14	..	..	..	..	..
35.16	1.75	..	..	..	..
35.15	..	..	..	..	..
35.16	1.10	..	..	..	..
35.14	..	..	..	..	..
35.08	0.85	..	..	..	..
35.03	..	..	..	..	..
35.01	1.00	..	..	..	..
34.92	..	..	..	..	..
34.88	1.90	..	..	..	..
34.84	..	..	..	..	..
34.84	2.70	..	..	..	..
34.77	3.15	..	..	..	..
34.39	3.60	..	..	..	..
34.67	..	..	..	..	..
36.10	..	..	..	BT	..	BT only.
..	4.55	..	..	..	Z-1:200-0	
36.13	4.30	..	..	..	..
36.08	4.25	..	..	..	..
36.10	4.35	..	..	..	..
36.10	4.45	..	..	..	..
36.41	4.10	..	..	..	..
35.41	1.85	..	..	..	..
35.15	1.50	..	..	..	..
35.15	..	..	..	..	..
35.14	1.70	..	..	..	..
35.14	..	..	..	..	..
35.14	1.45	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						600	8.56
						700	7.95
						800	7.53
						1000	6.40
						1200	5.40
						1500	4.52
						1800	3.29
						2000	2.78
						2500	2.20
						3000	1.79
						3500	..
1240	6-10-1962	2330—2345	04° 29' N	71° 04' E	4200	0	..
1241	7-10-1962	0310—0610	03° 59' N	71° 07' E	4040	0	28.10
						10	28.33
						20	28.37
						30	28.33
						50	28.38
						75	27.31
						100	21.14
						150	15.88
						200	14.18
						300	11.88
						400	11.06
						500	11.40
						600	9.73
						700	8.50
						800	8.00
						1000	6.49
						1200	5.54
						1500	4.29
						1800	3.18
						2000	2.80
						2500	2.50
						3000	1.83
						3500	1.58
1242	7-10-1962	0940—0950	03° 29' N	71° 11' E	4040	0	28.00
1243	7-10-1962	1330—1545	02° 56' N	71° 15' E	4040	0	28.10
						10	28.20
						20	28.12
						30	28.10

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.07	..	..	..	..	..
35.05	1.85	..	..	..	..
35.03	..	..	..	..	..
34.96	1.45	..	..	..	..
34.90	..	..	..	..	..
34.88	2.25	..	..	..	..
34.80	..	..	..	..	..
34.79	2.80	..	..	..	..
34.76	3.20	..	..	..	..
34.75	3.55	..	..	..	..
34.74	..	..	..	..	..
34.65	..	..	..	BT	..	BT only.
36.13	4.45	..	..	..	Z—1:200—0	
36.18	4.35	..	..	..	..
36.24	..	..	..	..	..
36.26	..	..	..	..	..
36.17	4.55	..	..	..	..
36.03	3.95	..	..	..	..
35.43	2.95	..	..	..	..
35.25	1.65	..	..	..	..
35.21	..	..	..	..	..
35.14	1.90	..	..	..	..
35.12	..	..	..	..	..
35.11	1.55	..	..	..	..
34.10	..	..	..	..	..
35.07	1.60	..	..	..	..
35.05	..	..	..	..	..
34.94	1.35	..	..	..	..
34.87	..	..	..	..	..
34.80	1.85	..	..	..	..
34.80	..	..	..	..	..
34.79	2.60	..	..	..	..
34.76	3.10	..	..	..	..
34.76	3.70	..	..	..	..
34.76	..	..	..	..	..
..	..	..	..	BT	..	BT only.
35.43	4.60	W4	..	..	Z—1:200—0	
36.08	4.70	..	..	..	..
36.10	4.75	..	..	..	..
36.26	4.60	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp °C.
			Lat.	Long.			
						50	28.09
						75	28.08
						100	27.99
						150	17.81
						200	14.34
						300	11.78
						400	10.77
						500	10.30
						600	9.36
						700	8.97
						800	7.82
						1000	6.83
						1200	5.64
						1500	4.35
						1800	3.18
						2000	2.82
						2500	..
						3000	1.80
						3500	..
1244	7-10-1962	1945—1955	02° 30' N	71° 00' E	4060	0	28.20
1245	7/8-10-1962	2330—0230	02° 00' N	71° 00' E	3830	0	28.20
						10	28.39
						20	28.38
						30	28.38
						50	28.26
						75	27.27
						100	23.91
						150	19.25
						200	15.59
						300	11.62
						400	10.51
						500	10.37
						600	9.38
						700	8.90
						800	7.31
						1000	6.56
						1200	5.63
						1500	4.20
						1800	3.09
						2000	2.73
						2500	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.11	4.70	..	..	..	..
36.11	4.85	..	..	..	..
36.08	4.40	..	..	..	..
35.30	1.70	..	..	..	..
35.26	..	..	..	..	..
35.15	1.95	..	..	..	..
35.11	..	..	..	..	..
35.10	1.80	..	..	..	..
35.17	..	..	..	..	..
35.11	1.40	..	..	..	..
35.07	..	..	..	..	..
35.01	1.30	..	..	..	..
34.97	..	..	..	..	..
34.83	2.20	..	..	..	..
34.83	..	..	..	..	..
34.78	2.85	..	..	..	..
34.75	3.20	..	..	..	..
34.70	3.60	..	..	..	..
34.69	..	..	..	..	..
..	..	..	..	BT	..	BT only.
35.27	4.85	..	..	..	Z-1:200-0	
35.18	4.50	..	..	..	..
35.20	4.55	..	..	..	..
35.23	4.55	..	..	..	..
35.42	4.55	..	..	..	..
35.51	4.25	..	..	..	..
35.49	3.45	..	..	..	..
35.23	2.25	..	..	..	..
35.20	..	..	..	..	..
35.04	2.25	..	..	..	..
35.01	..	..	..	..	..
35.00	1.75	..	..	..	..
34.99	..	..	..	..	..
34.98	1.25	..	..	..	..
34.98	..	..	..	..	..
34.97	1.25	..	..	..	..
34.40	..	..	..	..	..
34.81	2.20	..	..	..	..
34.76	..	..	..	..	..
34.75	2.80	..	..	..	..
34.71	3.20	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp °C.
			Lat.	Long.			
						3000	..
						3500	1.55
1246	8-10-1962	0550—0555	01° 30' N	71° 00' E	4000	..	..
1247	8-10-1962	0900—1205	01° 02' N	71° 18' E	4060	0	28.30
						10	28.48
						20	28.45
						30	28.43
						50	28.45
						75	28.10
						100	24.79
						150	19.46
						200	16.35
						300	12.42
						400	11.13
						500	11.04
						600	10.06
						700	9.40
						800	7.62
						1000	6.34
						1200	5.55
						1500	3.90
						1800	3.14
						2000	2.72
						2500	2.49
						3000	1.72
						3500	1.53
1248	8-10-1962	1650—1700	00° 30' N	71° 00' E	3760	..	..
1249	8-10-1962	2040—2350	00° 00'	71° 00' E	4080	0	28.00
						10	28.49
						20	28.41
						30	28.45
						50	28.52
						75	28.41
						100	24.45
						150	21.70
						200	15.26
						300	12.45
						400	10.22
						500	10.14

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.69	3.70	..	..	..	..
34.68	..	..	..	..	..
..	..	..	..	BT	..	
35.07	4.55	..	..	..	Z-1:200-0	
35.05	4.40	..	..	..	..
35.03	4.60	..	..	..	..
35.03	4.25	..	..	..	..
34.99	4.40	..	..	..	..
35.07	4.35	..	..	..	..
35.43	4.30	..	..	..	..
35.25	2.45	..	..	..	..
35.21	..	..	..	..	..
35.16	2.10	..	..	..	..
34.96	..	..	..	..	..
35.01	1.65	..	..	..	..
35.00	..	..	..	..	..
34.96	1.85	..	..	..	..
34.95	..	..	..	..	..
34.95	1.60	..	..	..	..
34.88	..	..	..	..	..
34.79	2.25	..	..	..	..
34.79	..	..	..	..	..
34.76	2.85	..	..	..	..
34.75	3.25	..	..	..	..
34.75	3.75	..	..	..	..
34.74	..	..	..	..	..
..	..	..	..	BT	..	
34.95	5.10	..	..	..	Z-1:200-0	
34.97	5.05	..	..	..	..
35.00	5.05	..	..	..	..
36.07	4.90	..	..	..	..
34.94	5.05	..	..	..	..
35.08	4.95	..	..	..	..
35.62	4.15	..	..	..	..
35.30	3.35	..	..	..	..
35.30	..	..	..	..	..
35.01	2.75	..	..	..	..
34.91	..	..	..	..	..
34.99	2.40	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						600	9.51
						700	8.87
						800	7.95
						1000	6.13
						1200	5.55
						1500	4.14
						1800	3.20
						2000	2.83
						2500	2.50
						3000	1.73
						3500	1.59
1250	11-10-1962	1905—2145	00° 00' N	74° 00' E	2640	0	28.20
						10	28.23
						20	28.21
						30	28.21
						50	27.99
						75	27.70
						100	23.94
						150	22.07
						200	15.42
						300	12.32
						400	11.33
						500	10.26
						600	9.62
						700	8.90
						800	8.20
						1000	7.09
						1200	5.83
						1500	5.21
						1800	3.56
						2000	2.90
						2500	2.13
1251	12-10-1962	0120—0125	00° 28' N	74° 07' E	2400	..	..
1252	12-10-1962	0500—0722	00° 59' N	74° 14' E	2500	0	28.00
						10	28.09
						20	28.17
						30	28.10
						50	28.01
						75	24.33
						100	23.27
						150	18.65

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.99	..	..	..	..	..
35.00	1.85	..	..	..	..
35.03	..	..	..	..	..
34.98	1.80	..	..	..	..
34.85	..	..	..	..	..
34.83	2.20	..	..	..	..
34.81	..	..	..	..	..
34.76	2.55	..	..	..	..
34.78	2.95	..	..	..	..
34.74	3.40	..	..	..	..
34.68	..	..	..	..	..
35.12	4.65	..	..	..	Z-1:200-0	
35.08	4.45	..	..	..	..
34.97	4.65	..	..	..	..
34.99	4.80	..	..	..	..
35.03	4.60	..	..	..	..
35.07	4.75	..	..	..	..
35.19	3.70	..	..	..	..
35.30	3.15	..	..	..	..
35.17	..	..	..	..	..
35.12	2.05	..	..	..	..
35.00	..	..	..	..	..
35.01	1.85	..	..	..	..
35.12	..	..	..	..	..
35.05	1.45	..	..	..	..
35.05	..	..	..	..	..
34.96	1.25	..	..	..	..
34.91	..	..	..	..	..
34.86	1.70	..	..	..	..
34.79	..	..	..	..	..
34.78	2.85	..	..	..	..
34.70	..	..	..	..	..
..	..	..	..	BT	..	
35.12	4.55	..	..	..	Z-1:200-0	
35.03	4.30	..	..	..	..
35.13	4.35	..	..	..	..
35.27	4.60	..	..	..	..
35.40	4.65	..	..	..	..
35.43	3.35	..	..	..	..
35.34	3.30	..	..	..	..
35.21	2.15	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						200	14.45
						300	12.25
						400	11.18
						500	10.24
						600	9.48
						700	9.24
						800	8.44
						1000	7.30
						1200	6.32
						1500	4.66
						1800	..
						2000	3.00
1253	12-10-1962	1140—1145	01° 30' N	74° 00' E	2380	..	..
1254	12-10-1962	1555—1745	02° 00' N	74° 00' E	2250	0	27.30
						10	27.32
						20	27.27
						30	26.77
						50	26.15
						75	24.84
						100	23.72
						150	17.71
						200	14.34
						300	11.44
						400	10.37
						500	9.30
						600	9.04
						700	8.29
						800	7.63
						1000	6.85
						1200	5.92
						1500	4.18
						1800	2.75
						2000	2.66
1255	12-10-1962	2125—2135	02° 30' N	74° 00' E	2230	..	..
1256	13-10-1962	0110—0300	03° 00' N	74° 05' E	2420	0	27.84
						10	28.00
						20	28.01
						30	28.01

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.12	..	..	..	..	..
35.10	2.25	..	..	..	..
35.00	..	..	..	..	..
35.02	1.95	..	..	..	..
35.12	..	..	..	..	..
35.07	1.45	..	..	..	..
35.07	..	..	..	..	..
34.94	1.20	..	..	..	..
34.90	..	..	..	..	..
34.88	1.75	..	..	..	..
34.79	..	..	..	..	..
34.78	2.80	..	..	..	..
..	..	..	..	BT	..	
35.41	4.40	..	..	..	Z—1:200—0	
35.42	4.90	..	..	..	..
35.44	4.80	..	..	..	..
35.44	4.70	..	..	..	..
35.44	4.40	..	..	..	..
35.52	3.80	..	..	..	..
35.46	2.55	..	..	..	..
35.17	1.60	..	..	..	..
35.10	..	..	..	..	..
35.01	1.95	..	..	..	..
34.99	..	..	..	..	..
35.01	1.65	..	..	..	..
35.10	..	..	..	..	..
35.09	1.15	..	..	..	..
35.05	..	..	..	..	..
34.94	1.15	..	..	..	..
34.90	..	..	..	..	..
34.88	2.10	..	..	..	..
34.79	..	..	..	..	..
34.78	2.85	..	..	..	..
..	..	..	..	BT	..	
35.43	4.80	..	..	..	Z—1:200—0	
35.48	4.60	..	..	..	..
35.50	4.70	..	..	..	..
35.50	4.70	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						50	27.99
						75	25.25
						100	20.68
						150	15.90
						200	13.16
						300	11.15
						400	10.52
						500	9.60
						600	9.10
						700	8.38
						800	7.69
						1000	6.80
						1200	..
						1500	4.32
						1800	3.43
						2000	2.99
1257	13-10-1962	0640—0645	03° 30' N	74° 10' E	2370	..	..
1258	13-10-1962	1020—1205	04° 00' N	74° 12' E	2530	0	27.40
						10	27.70
						20	27.80
						30	27.85
						50	27.01
						75	24.26
						100	21.30
						150	16.49
						200	13.55
						300	11.67
						400	10.65
						500	9.59
						600	9.27
						700	8.37
						800	7.75
						1000	6.55
						1200	5.71
						1500	4.19
						1800	3.31
						2000	2.85
						2500	1.99
1259	15-10-1962	1225—1230	04° 30' N	74° 00' E	2450	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.50	4.80	..	..	..	..
35.61	4.65	..	..	..	..
35.43	2.30	..	..	..	..
35.12	1.35	..	..	..	..
35.12	..	..	..	..	..
35.11	1.80	..	..	..	..
35.09	..	..	..	..	..
35.05	1.60	..	..	..	..
35.05	..	..	..	..	..
35.00	1.25	..	..	..	..
34.92	..	..	..	..	..
34.91	1.10	..	..	..	..
34.89	..	..	..	..	..
34.76	2.05	..	..	..	..
34.75	..	..	..	..	..
34.74	2.75	..	..	..	..
..	..	..	..	BT	..	
35.71	4.80	..	..	..	Z-1:200-0	
35.70	4.60	..	..	..	..
35.81	4.45	..	..	..	..
36.08	4.60	..	..	..	..
35.71	4.25	..	..	..	..
35.52	3.20	..	..	..	..
35.37	2.45	..	..	..	..
35.27	1.15	..	..	..	..
35.18	..	..	..	..	..
35.15	1.05	..	..	..	..
35.10	..	..	..	..	..
35.07	0.80	..	..	..	..
35.10	..	..	..	..	..
35.08	0.65	..	..	..	..
35.05	..	..	..	..	..
34.97	1.15	..	..	..	..
34.92	..	..	..	..	..
34.83	1.95	..	..	..	..
34.79	..	..	..	..	..
34.78	2.80	..	..	..	..
34.83	..	..	..	..	..
..	..	..	..	BT	..	

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.81	4.50	..	..	..	Z-1:200-0	
35.85	4.70	..	..	..	..
35.89	4.65	..	..	..	..
35.81	4.70	..	..	..	..
35.86	4.45	..	..	..	..
35.96	4.10	..	..	..	..
35.60	2.10	..	..	..	..
35.16	0.95	..	..	..	..
35.13	..	..	..	..	..
35.08	1.35	..	..	..	..
35.05	..	..	..	..	..
35.03	0.65	..	..	..	..
35.00	..	..	..	..	..
34.98	0.55	..	..	..	..
34.96	..	..	..	..	..
34.96	1.00	..	..	..	..
34.83	..	..	..	..	..
34.79	1.85	..	..	..	..
34.78	..	..	..	..	..
34.78	2.65	..	..	..	..
34.72	..	..	..	..	..
..	..	..	..	B.T.	..	
35.97	4.45	..	..	..	Z-1:200-0	
35.98	4.35	..	..	..	..
35.98	4.40	..	..	..	..
35.90	4.40	..	..	..	..
35.90	4.40	..	..	..	..
36.02	4.35	..	..	..	..
35.84	1.85	..	..	..	..
35.11	0.70	..	..	..	..
35.06	..	..	..	..	..
35.02	1.30	..	..	..	..
35.03	..	..	..	..	..
35.03	0.85	..	..	..	..
35.03	..	..	..	..	..
35.03	0.65	..	..	..	..
35.02	..	..	..	..	..
35.00	1.15	..	..	..	..
24.83	..	..	..	..	..
34.84	1.90	..	..	..	..
34.79	..	..	..	..	..
34.78	2.75	..	..	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
..	..	..	..	B.T.	..	
35.98	4.35	..	..	..	Z—1:200—0	
36.01	4.40	..	..	..	..
35.97	4.40	..	..	..	..
36.02	4.45	..	..	..	..
36.22	4.40	..	..	..	..
36.35	3.10	..	..	..	..
35.42	0.35	..	..	..	..
35.12	0.40	..	..	..	..
35.11	..	..	..	..	..
36.08	1.10	..	..	..	..
35.07	..	..	..	..	..
35.05	0.60	..	..	..	..
35.00	..	..	..	..	..
34.99	0.70	..	..	..	..
34.98	..	..	..	..	..
34.90	0.95	..	..	..	..
34.88	..	..	..	..	..
34.88	1.65	..	..	..	..
34.79	..	..	..	..	..
34.77	1.60	..	..	..	..
34.71	..	..	..	..	..
..	..	..	..	B.T.	..	
..	..	..	..	..	Z—1:15—0	
..	5.25	..	..	..	..
35.12	3.75	..	..	..	..
34.85	5.15	..	..	..	..
34.88	4.85	..	..	..	..
34.97	4.65	..	..	..	..
34.97	4.55	..	..	..	..
34.99	4.75	..	..	..	Z—1:40—0	
35.03	4.50	..	..	..	..
35.32	5.10	..	..	..	..
35.17	4.85	..	..	..	..
..	..	..	..	B.T.	..	
34.09	5.10	..	..	..	Z—1:50—0	
35.31	4.55	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						20	27.99
						30	27.81
						50	27.61
1271	13-11-1962	2145—2200	08° 44' N	76° 04' E	475	..	..
1272	13/14-11-1962	2340—0100	08° 29' N	76° 02' E	850	..	27.88
						10	28.27
						20	28.20
						30	27.98
						50	27.34
						75	27.39
						100	24.55
						150	17.10
						200	13.50
						300	11.54
						400	10.66
						500	10.33
						600	9.69
						70	9.32
1273	14-11-1962	0300—0315	08° 15' N	76° 01' E	1170	..	..
1274	14-11-1962	0450—0635	08° 00' N	76° 01' E	1400	0	27.90
						10	28.25
						20	28.33
						30	28.29
						50	27.95
						75	27.38
						100	22.82
						150	18.80
						200	15.68
						300	12.20
						400	11.01
						500	10.10
						600	9.61
						700	8.90
						800	8.43
						1000	7.01
						1200	5.86
1275	14-11-1962	0852—0902	08° 00' N	75° 40' E	1600	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.43	4.70	..	..	..	..
35.41	4.60	..	..	..	..
35.50	4.65	..	..	..	..
..	..	..	..	B.T.	..	
31.17	..	..	..	..	Z-1:200-0	
33.39	..	..	..	..	..
33.96	..	..	..	..	..
34.78	..	..	..	..	..
35.32	..	..	..	..	..
35.41	..	..	..	..	..
35.20	..	..	..	..	..
35.14	..	..	..	..	..
35.10	..	..	..	..	..
35.14	..	..	..	..	..
35.05	..	..	..	..	..
35.08	..	..	..	..	..
35.10	..	..	..	..	..
35.07	..	..	..	..	..
..	..	..	..	B.T.	..	
31.18	4.65	..	..	..	Z-1:200-0	
31.78	4.80	..	..	..	..
33.35	4.75	..	..	..	..
33.42	5.15	..	..	..	..
34.87	4.85	..	..	..	..
35.46	4.30	..	..	..	..
34.97	1.80	..	..	..	..
35.06	1.10	..	..	..	..
35.07	0.95	..	..	..	..
35.19	0.45	..	..	..	..
35.21	0.70	..	..	..	..
35.17	0.60	..	..	..	..
35.10	0.55	..	..	..	..
35.07	0.60	..	..	..	..
35.05	0.50	..	..	..	..
35.00	0.85	..	..	..	..
34.90	1.15	..	..	..	..
..	..	..	..	B.T.	..	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1276	14-11-1962	1120—1330	08° 00'N	75° 20'E	2030	0	28.22
						10	28.57
						20	28.33
						30	28.03
						50	27.99
						75	27.26
						100	23.86
						150	18.29
						200	16.15
						300	11.75
						400	11.21
						500	10.65
						600	9.58
						700	8.89
						800	8.41
						1000	7.02
						1200	6.07
						1500	4.32
						1800	3.03
						2000	2.54
1277	14-11-1962	1550—1607	08° 00'N	75° 00'E	2350	..	..
1278	14-11-1962	1840—2220	08° 00'N	74° 40'E	2700	0	28.18
						10	28.52
						20	28.28
						30	28.02
						50	27.85
						75	26.29
						100	22.52
						150	18.21
						200	15.49
						300	12.50
						400	11.35
						500	10.31
						600	9.73
						700	8.98
						800	8.50
						1000	7.34
						1200	5.62
						1500	4.28
						1800	3.20
						2000	2.62
						2500	2.05

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
29.90	..	..	..	..	Z—1:200—0	
33.12	..	..	..	..	..
33.95	..	..	..	..	..
35.06	..	..	..	..	..
35.33	..	..	..	..	..
35.61	..	..	..	..	..
35.35	..	..	..	..	..
35.07	..	..	..	..	..
35.11	..	..	..	..	..
35.09	..	..	..	..	..
35.14	..	..	..	..	..
35.16	..	..	..	..	..
35.15	..	..	..	..	..
35.14	..	..	..	..	..
35.12	..	..	..	..	..
34.92	..	..	..	..	..
34.86	..	..	..	..	..
34.80	..	..	..	..	..
34.79	..	..	..	..	..
34.74	..	..	..	..	..
..	..	..	..	B.T.	..	
30.53	4.85	..	..	..	Z—1:200—0	
32.75	4.70	..	..	..	..
34.23	4.65	..	..	..	..
35.33	4.75	..	..	..	..
35.53	4.75	..	..	..	..
35.78	3.55	..	..	..	..
35.49	1.70	..	..	..	..
35.24	1.40	..	..	..	..
35.06	0.95	..	..	..	..
35.04	0.75	..	..	..	..
35.08	0.70	..	..	..	..
35.12	0.70	..	..	..	..
35.16	0.65	..	..	..	..
35.17	0.65	..	..	..	..
35.11	0.65	..	..	..	..
35.08	0.90	..	..	..	..
34.87	1.40	..	..	..	..
34.82	1.75	..	..	..	..
34.85	2.45	..	..	..	..
34.76	2.50	..	..	..	..
34.71	3.00	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1279	15-11-1962	0055—0106	08° 00'N	74° 20'E	2700	..	..
1280	15-11-1962	0335—0545	08° 00'N	74° 00'E	2700	0	27.77
						10	28.17
						20	28.10
						30	28.30
						50	28.32
						75	28.17
						100	24.53
						150	19.17
						200	15.37
						300	12.87
						400	11.71
						500	10.85
						600	9.96
						700	9.28
						800	8.81
						1000	7.07
						1200	5.89
						1500	4.36
						1800	3.40
						2000	2.63
						2500	2.08
1281	15-11-1962	0816—0826	08° 00'N	73° 40'E	1700	..	..
1282	15-11-1962	1056—1315	08° 00'N	73° 20'E	1740	0	28.50
						10	28.28
						20	28.27
						30	28.27
						50	28.10
						75	26.01
						100	19.19
						150	15.82
						200	13.85
						300	12.09
						400	11.26
						500	10.65
						600	10.03
						700	9.33
						800	8.60
						1000	7.43
						1200	6.18
						1500	4.40

S‰	O ₃	Wind Sea	B.T.	Plankton	Remarks
..	..	..	B.T.	..	
33.65	..	..	..	Z-1:0	
33.94	..	..	..	..
33.90	..	..	..	..
33.86	..	..	..	..
35.79	..	..	..	..
36.04	..	..	..	..
35.84	..	..	..	..
35.24	..	..	..	..
35.04	..	..	..	..
35.08	..	..	..	..
35.08	..	..	..	..
35.07	..	..	..	..
35.07	..	..	..	..
35.10	..	..	..	..
35.10	..	..	..	..
34.97	..	..	..	..
34.95	..	..	..	..
34.87	..	..	..	..
34.87	..	..	..	..
34.78	..	..	..	..
34.73	..	..	..	..
..	..	..	B.T.	..	
36.10	4.65	..	..	Z-4:50-0	
36.08	..	..	..	100-0	
36.02	4.65	..	..	200-0(2)	
36.12	4.65	..	..	..
36.24	4.65	..	..	..
36.03	3.30	..	..	..
35.41	0.95	..	..	..
35.15	0.50	..	..	..
35.08	0.85	..	..	..
35.08	1.20	..	..	..
35.09	1.05	..	..	..
35.12	0.75	..	..	..
35.12	0.75	..	..	..
35.10	0.50	..	..	..
35.04	0.30	..	..	..
35.02	1.05	..	..	..
34.95	1.15	..	..	..
34.84	1.75	..	..	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
..	..	..	..	B.T.	..	
36.08	..	..	..	..	Z-1:200-0	
36.04	..	..	..	..	..
36.08	..	..	..	..	..
36.14	..	..	..	..	..
36.00	..	..	..	..	..
35.55	..	..	..	..	..
35.35	..	..	..	..	..
35.15	..	..	..	..	..
35.14	..	..	..	..	..
35.12	..	..	..	..	..
35.12	..	..	..	..	..
35.11	..	..	..	..	..
35.08	..	..	..	..	..
35.07	..	..	..	..	..
35.04	..	..	..	..	..
34.97	..	..	..	..	..
34.88	..	..	..	..	..
34.85	..	..	..	..	..
34.78	..	..	..	..	..
34.72	..	..	..	..	..
..	..	..	..	B.T.	..	
36.11	4.45	..	..	..	Z-1:200-0	
36.09	4.60	..	..	..	..
36.09	4.45	..	..	..	..
36.08	4.65	..	..	..	..
36.20	4.50	..	..	..	..
35.82	1.85	..	..	..	..
35.35	1.30	..	..	..	..
35.14	0.45	..	..	..	..
35.16	0.85	..	..	..	..
35.16	0.35	..	..	..	..
35.16	..	..	..	..	..
35.16	0.60	..	..	..	..
35.18	0.60	..	..	..	..
35.19	0.60	..	..	..	..
35.15	0.55	..	..	..	..
35.08	0.80	..	..	..	..
35.10	1.05	..	..	..	..
34.90	1.80	..	..	..	..
34.80	2.35	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						2000	2.80
						2500	1.97
						2700	1.84
1287	16-11-1962	0755—0805	08° 00' N	71° 40' E	3580	..	..
1288	16-11-1962	1020—1315	08° 00' N	71° 20' E	3760	0	27.99
						10	28.33
						20	28.30
						30	28.30
						50	27.68
						75	23.70
						100	19.95
						150	16.36
						200	13.60
						300	11.69
						400	10.95
						500	10.30
						600	9.95
						700	9.05
						800	8.14
						1000	7.09
						1200	6.13
						1500	4.63
						1800	3.33
						2000	2.84
						2500	2.10
						3000	1.90
						3500	1.70
1289	16-11-1962	1530—1545	08° 00' N	71° 00' E	3940	..	..
1290	16-11-1962	1800—2100	08° 00' N	70° 40' E	3880	..	28.27
						10	28.32
						20	28.30
						30	28.12
						50	27.71
						75	23.21
						100	19.39
						150	15.80
						200	13.78
						300	12.01
						400	10.98
						500	10.31
						600	9.60
						700	8.96

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
34.76	2.60	..	..	..	..
34.79	3.03	..	..	..	..
34.69	3.29	..	..	..	..
..	..	..	..	B.T.	..	
36.09	..	..	..	..	Z—1:200—0	
36.36	..	..	..	..	..
36.26	..	..	..	..	..
36.27	..	..	..	..	..
36.36	..	..	..	..	..
35.86	..	..	..	..	..
35.44	..	..	..	..	..
35.20	..	..	..	..	..
35.19	..	..	..	..	..
35.22	..	..	..	..	..
35.28	..	..	..	..	..
35.16	..	..	..	..	..
35.17	..	..	..	..	..
35.16	..	..	..	..	..
35.10	..	..	..	..	..
35.02	..	..	..	..	..
34.96	..	..	..	..	..
34.91	..	..	..	..	..
34.86	..	..	..	..	..
34.79	..	..	..	..	..
34.76	..	..	..	..	..
34.74	..	..	..	..	..
34.72	..	..	..	..	..
..	..	..	..	B.T.	..	
36.38	4.53	..	..	..	Z—4:50—0	
36.31	4.62	..	..	..	100—0	
36.31	4.45	..	..	..	200—0(2)	
36.36	4.65	..	..	..	..
36.38	4.50	..	..	..	..
35.86	1.25	..	..	..	..
35.43	0.45	..	..	..	..
35.24	0.55	..	..	..	..
35.25	0.90	..	..	..	..
35.25	0.10	..	..	..	..
35.24	1.15	..	..	..	..
35.16	0.85	..	..	..	..
35.15	0.65	..	..	..	..
35.10	0.70	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp °C.
			Lat.	Long.			
						800	8.22
						1000	7.01
						1200	6.00
						1500	4.80
						1800	3.54
						2000	3.00
						2500	2.20
						3000	1.96
						3500	1.69
1291	16-11-1962	2310—2322	08° 00' N	70° 20' E	4080	..	..
1292	17-11-1962	0135—0352	08° 00' N	70° 00' E	4500	0	28.16
						10	28.35
						20	28.34
						30	28.11
						50	27.86
						75	23.32
						100	16.69
						150	15.39
						200	13.32
						300	11.56
						400	10.67
						500	10.17
						600	9.71
						700	8.54
						800	7.99
						1000	6.95
						1200	6.20
						1500	4.99
						1800	3.42
						2000	2.82
						2500	2.13
						3000	1.92
						3500	1.70
1293	17-11-1962	0610—0620	08° 20' N	70° 00' E	4560	..	..
1294	17-11-1962	0840—1145	08° 40' N	70° 00' E	4530	0	28.50
						10	28.29
						20	28.28
						30	28.12
						50	27.61
						75	22.66
						100	19.05
						150	15.34
						200	13.52

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.07	0.65	..	..	..	..
34.99	1.15	..	..	..	..
34.99	1.35	..	..	..	..
34.85	1.75	..	..	..	..
34.93	2.00	..	..	..	..
34.93	2.40	..	..	..	..
34.77	2.90	..	..	..	..
34.75	2.65	..	..	..	..
34.72	3.45	..	..	..	..
..	..	..	..	B.T.	..	
36.43	..	..	..	..	Z-1:200-0	
36.38	..	..	..	..	..
36.38	..	..	..	..	..
36.34	..	..	..	..	..
36.33	..	..	..	..	..
35.77	..	..	..	..	..
35.35	..	..	..	..	..
35.16	..	..	..	..	..
35.16	..	..	..	..	..
35.16	..	..	..	..	..
35.16	..	..	..	..	..
35.14	..	..	..	..	..
35.07	..	..	..	..	..
35.01	..	..	..	..	..
34.99	..	..	..	..	..
34.97	..	..	..	..	..
34.99	..	..	..	..	..
34.88	..	..	..	..	..
34.78	..	..	..	..	..
34.76	..	..	..	..	..
34.74	..	..	..	..	..
34.72	..	..	..	..	..
..	..	..	..	BT	..	
36.40	4.85	..	..	..	Z-4:25-0	
36.29	4.70	..	..	..	50-0	
36.38	4.70	..	..	..	100-0	
36.38	4.80	..	..	..	200-0	
36.38	4.55	..	..	..	..
35.70	0.90	..	..	..	..
35.39	0.35	..	..	..	..
35.21	0.50	..	..	..	..
35.21	0.90	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						300	11.55
						400	10.78
						500	10.37
						600	9.97
						700	9.05
						800	8.02
						1000	7.33
						1200	6.34
						1500	5.03
						1800	3.42
						2000	2.90
						2500	2.12
						3000	1.92
						3500	1.70
1295	17-11-1962	1427—1436	09° 00'N	76° 00'E	4540	..	..
1296	17-11-1962	1655—1905	09° 20'N	70° 00'E	4500	0	28.40
						10	28.30
						20	28.17
						30	28.19
						50	26.52
						75	21.78
						100	18.45
						150	16.10
						200	13.87
						300	12.52
						400	11.23
						500	10.57
						600	10.05
						700	9.25
						800	8.62
						1000	7.50
						1200	6.45
						1500	5.05
						1800	3.54
						2000	2.90
						2500	2.18
						3000	1.91
						3500	1.67
1297	17-11-1962	2125—2135	09° 40'N	70° 00'E	4340	..	..
1298	17/18-11-1962	2350—0315	10° 00'N	70° 00'E	4420	0	27.97
						10	28.17
						20	28.12
						30	28.16

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
35.23	0.95	..	..	..	..
35.18	0.90	..	..	..	..
35.12	0.75	..	..	..	..
35.08	0.75	..	..	..	..
35.04	0.70	..	..	..	..
35.02	0.75	..	..	..	..
35.01	0.85	..	..	..	..
34.99	1.15	..	..	..	..
34.94	1.50	..	..	..	..
34.81	2.25	..	..	..	..
34.78	2.50	..	..	..	..
34.76	2.90	..	..	..	..
34.74	2.05	..	..	..	..
34.70	3.50	..	..	..	..
..	..	..	..	B.T.	..	
36.36	..	..	..	..	Z—1:200—0	
36.26	..	..	..	..	..
36.26	..	..	..	..	..
36.35	..	..	..	..	..
36.11	..	..	..	..	..
35.77	..	..	..	..	..
35.33	..	..	..	..	..
35.26	..	..	..	..	..
35.19	..	..	..	..	..
35.13	..	..	..	..	..
35.13	..	..	..	..	..
35.11	..	..	..	..	..
35.07	..	..	..	..	..
35.05	..	..	..	..	..
35.05	..	..	..	..	..
35.01	..	..	..	..	..
34.92	..	..	..	..	..
34.84	..	..	..	..	..
34.75	..	..	..	..	..
34.69	..	..	..	..	..
34.68	..	..	..	..	..
34.66	..	..	..	..	..
34.65	..	..	..	..	..
..	..	..	..	B.T.	..	
36.13	4.75	..	..	..	Z—4:50—0	
36.14	4.60	..	..	..	100—0	
36.16	4.65	..	..	..	200—0(2)	
36.40	4.70	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						50	27.26
						75	20.71
						100	18.42
						150	15.40
						200	13.63
						300	12.89
						400	11.18
						500	10.60
						600	9.88
						700	9.33
						800	8.83
						1000	7.76
						1200	6.44
						1500	5.05
						1800	3.64
						2000	2.84
						2500	2.00
						3000	1.70
						3500	1.64
1299	18-11-1962	0537—0545	10° 00'N	70° 20'E	4220	..	..
1300	18-11-1962	0800—1010	10° 00'N	70° 40'E	3970	0	28.02
						10	28.29
						20	28.23
						30	28.16
						50	28.02
						75	21.93
						100	18.35
						150	15.63
						200	13.45
						300	11.82
						400	11.15
						500	10.51
						600	9.73
						700	8.79
						800	8.06
						1000	6.87
						1200	6.04
						1500	4.99
						1800	3.55
						2000	2.86
						2500	2.06
						3000	1.72
						3500	..

S‰	O ₂	Wind	Sea	B.T.	Plankton	Remarks
36.22	4.55	..	..	..	..
35.68	0.55	..	..	..	..
35.46	0.35	..	..	..	..
35.25	0.20	..	..	..	..
35.16	0.30	..	..	..	..
35.18	1.20	..	..	..	..
35.19	0.35	..	..	..	..
35.17	0.40	..	..	..	..
35.15	0.40	..	..	..	..
35.11	0.40	..	..	..	..
35.07	0.55	..	..	..	..
35.04	0.70	..	..	..	..
34.92	1.10	..	..	..	..
34.84	1.35	..	..	..	..
34.79	2.15	..	..	..	..
34.73	2.35	..	..	..	..
34.71	3.00	..	..	..	..
34.70	3.25	..	..	..	..
34.69	3.05	..	..	..	..
..	..	..	..	B.T.	..	
36.36	..	..	..	..	Z-1:200-0	
36.38	..	..	..	..	..
36.29	..	..	..	..	..
36.34	..	..	..	..	..
36.38	..	..	..	..	..
35.99	..	..	..	..	..
35.50	..	..	..	..	..
35.28	..	..	..	..	..
35.29	..	..	..	..	..
35.31	..	..	..	..	..
35.30	..	..	..	..	..
35.29	..	..	..	..	..
35.25	..	..	..	..	..
35.17	..	..	..	..	..
35.10	..	..	..	..	..
35.07	..	..	..	..	..
35.01	..	..	..	..	..
34.95	..	..	..	..	..
34.81	..	..	..	..	..
34.83	..	..	..	..	..
34.79	..	..	..	..	..
34.75	..	..	..	..	..
34.69	..	..	..	..	..